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		LEVEL	<div style="font-size: 1.5em; margin-bottom: 5px;">SMOS, El Joro, Ca.</div> DOCUMENT IDENTIFICATION			<div style="font-size: 1.5em; margin-bottom: 5px;">Oct 1983</div>																													
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
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18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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STATION NO OR SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WMO NUMBER
93101	El Toro, California	33° 40' N	117° 44' W	383	KNZJ	72297

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	TYPE BAROMETER	
1.	Aerological office (southwest side of field)	MCAS	1943	1955	33° 40' N	117° 44' W	355	Mercurial	24
2.	Aerological office (northeast side of field in tower bldg)	"	1955	1958	"	"	380	"	"
3.	Room 102, Bldg 372	"	1958	1971	"	"	"	"	"
4.	Mounted on wall in Room 102	"	UNK	1965	"	"	383	Aneroid	"
4a.	Mounted in AN/GMQ-14 console in room 102, bldg 372	"	1965	1976	"	"	382	"	"
5.	Mounted on inside wall, room 102, bldg 372	"	1971		"	"	381	Mercurial	"
5a.	" " "	"	1976		"	"	382	Aneroid	"

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.		Atop control tower	Selsyn	Double register	52'	1. Aneroid barometer (ML-448/UM)
2.	1963	Northeast of the intersection of runways 34 and 25	AN/UMQ-5	RD-108B	30'	2. Barograph (Aero 1932)
3.	1966	Same location, change in height	"	"	15'	3. Semi-auto met stn (AN/GMQ-14A)
4.	1968	810' NE of intersection of runways 34R and 25R	AN/UMQ-5C	RD-108B	"	4. Ceiling light (ML-121)
4a.	1973	Same location, change in height	"	"	9'	5. Cloud height set (AN/GMQ-13)
						6. Theodolite (ML-247)
						7. Transmissometer (AN/GMQ-10)
						8. Weather vision (AN/GMQ-19V)
						9. Gage, precipitation (ML-558/GMQ-14)
						10. " (ML-217)
						11. Thermoscreen (ML-41)
						12. Semi-auto met stn (AN/GMQ-29)

CONTINUED ON REVERSE SIDE

NOCD Federal Building
Asheville, N. C.

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

NOCD, Federal Building
Asheville, N. C.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

WEATHER CONDITIONS ATMOSPHERIC PHENOMENA

93101

EL TORO, CALIFORNIA

45-87

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	1.6	26.3		.6	.6	26.0	34.2	42.0		.5	57.1	1048
FEB		1.1	29.7		.1	.3	27.3	37.1	41.3			52.9	959
MAR		2.3	30.2			.5	27.6	32.6	34.6			44.3	1052
APR		1.2	31.6			.1	28.0	32.0	39.2			46.3	1049
MAY		.2	31.8				28.2	37.5	44.1		.1	52.0	1085
JUN		.3	24.1				21.3	49.5	59.8			67.6	1051
JUL		1.0	10.0				9.0	57.6	72.4		.1	79.2	1082
AUG		.9	11.2				10.2	58.9	70.8		.1	76.0	1081
SEP		1.2	19.7				18.0	54.2	68.1			74.0	1041
OCT		2.2	23.0			.3	20.6	45.4	61.8		.5	66.3	1067
NOV		1.1	23.0			.1	20.6	39.1	47.3		1.4	57.0	1039
DEC		1.0	25.4		.1	.5	23.1	34.0	45.7		.4	54.8	1060
TOTALS		1.2	24.0		.1	.2	21.7	42.7	52.3		.3	60.3	12634

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WEATHER CONDITIONS

1101

EL PASO, CALIFORNIA

73-79, 81-82

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		7.9				7.9	10.8	3.2			12.2	279
	04		8.6				8.6	10.8	3.2			13.3	279
	07		7.9				7.9	15.1	5.0			17.6	279
	10		8.3		.4		8.2	11.8	12.2		.4	20.8	279
	13	.7	8.6				8.6	4.7	17.9		.4	22.9	279
	16	.7	8.2				8.2	2.5	20.4			22.6	279
	19	.4	7.2				7.2	3.6	8.6			10.8	279
	22	.4	6.1				6.1	8.2	5.7			12.2	279
TOTALS		.3	7.8		.1		7.8	8.4	9.5		.1	16.6	2231

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WEATHER CONDITIONS

STATION 1 EL TORO, CALIFORNIA

73-75, 81-82

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	POG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01		9.1				9.1	15.8	2.0			16.6	253
	04		9.1				9.1	15.4	2.0			16.6	253
	07		5.9				5.9	18.2	4.7			22.1	253
	10	.4	7.5				7.5	15.4	15.0			25.7	253
	13	.6	8.3				8.3	3.6	22.9			25.3	253
	16		9.1				9.1	3.6	18.2			21.7	253
	19		8.3				8.3	3.6	8.7			16.7	253
	22	.4	7.5				7.5	13.0	4.0			15.4	253
TOTALS		.2	8.1				6.1	10.7	9.7			19.3	2024

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WEATHER CONDITIONS

1 EL PASO, CALIFORNIA

73-72

7-6

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	01		9.0				9.0	5.2	1.0			5.5	310
	04	.3	7.8				7.8	7.1	.6			7.1	309
	07	.3	11.0				11.0	16.8	3.2			18.7	310
	10	.3	9.4				8.4	5.5	12.9			16.5	310
	13	.3	6.1				6.1	1.6	14.5			16.1	310
	16		6.1				6.1	.3	7.1			7.4	310
	19	.3	5.5				5.5	.6	2.9			3.2	310
	22	.6	8.1				8.1	3.2	1.0			3.9	310
TOTALS		.3	7.8				7.8	5.0	5.4			7.8	2479

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WEATHER CONDITIONS

STATION NAME: EL TORO, CALIFORNIA YEARS: 73-72 MONTH: APR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01		4.0				4.0	5.0	3.0			11.3	300
	02		2.3				2.3	10.7	2.3			12.3	300
	03		5.3				5.3	17.0	11.3			25.7	300
	04		2.3				2.3	5.0	19.7			23.7	300
	05		2.0				2.0	.3	17.0		.3	17.3	300
	06		2.0				2.0	.7	12.0			12.7	299
	07		2.3				2.3	1.0	8.7			9.3	300
	08		3.7				3.7	2.7	5.0			7.3	300
TOTALS			3.0				3.0	5.8	9.9		.0	15.0	2399

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WEATHER CONDITIONS

STATION EL PASO, CALIFORNIA 73-12 YEAR MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01		6.1				6.1	14.5	1.0			15.5	310
	04		10.3				10.3	19.4	1.0			19.7	310
	07		7.4				7.4	31.9	14.2			41.9	310
	10		2.6				2.6	6.5	33.9			36.5	310
	13		1.6				1.6	.3	25.5			25.5	310
	16		1.0				1.0	.6	18.4			18.7	310
	19		1.9				1.9	3.2	14.8			16.5	310
	22		4.5				4.5	7.4	4.5			10.6	310
TOTALS			4.4				4.4	10.5	14.2			23.1	2460

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WEATHER CONDITIONS

571 1 EL TORO, CALIFORNIA 73-82 JUN
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01		4.3				4.3	16.7	2.7			19.0	300
	04		6.7				6.7	26.3	2.0			27.7	300
	07		6.0				6.0	41.7	22.3			56.7	300
	10		2.0				2.0	6.3	42.0			44.7	300
	13		.3				.3		32.0			32.0	300
	16		1.0				1.0		22.0			22.0	300
	19		1.3				1.3	1.3	15.0			16.0	300
	22		2.7				2.7	7.0	4.7			11.0	300
TOTALS			3.0				3.0	12.4	17.8			28.6	2400

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WEATHER CONDITIONS

1101 EL TORO, CALIFORNIA 73-72 JUL
STATION STATION NAME YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01		.6				.6	13.5	5.5			16.5	310
	04		1.0				1.0	26.8	6.1			31.0	310
	07		1.3				1.3	41.0	32.6			63.2	310
	10		1.3				1.3	1.6	43.9			44.5	310
	13								29.0			29.0	310
	16								18.4			18.4	310
	19							1.0	10.3			11.0	310
	22							2.3	3.2			4.6	310
TOTALS			.5				.5	10.8	18.9			27.3	2460

NAVWEASERVCOM

WEATHER CONDITIONS

1101

LA JOLLA, CALIFORNIA

73-82

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01		1.6				1.6	15.8	6.1			19.7	310
	04		1.6				1.6	30.0	5.2			31.9	310
	07		2.9				2.9	47.1	30.3			68.1	310
	10		.3				.3	5.2	50.3			52.6	310
	13	.3	.6				.6	.6	35.5			36.1	310
	16		.6				.6	.6	23.5			24.2	310
	19		.6				.6	2.3	14.5			15.5	310
	22		.6				.6	3.5	5.5			8.1	310
TOTALS		.0	1.1				1.1	13.1	21.4			32.0	2480

NAVWEASERVCOM

WEATHER CONDITIONS

STATION

EL TORO, CALIFORNIA

73-92

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01	.3	3.7				3.7	18.0	6.0			22.7	300
	04		5.7				5.7	76.0	8.3			31.3	300
	07		7.3				7.3	40.7	25.7			56.3	300
	10		2.0				2.0	8.7	44.3		.3	49.7	300
	13		1.7				1.7	1.3	38.3			39.0	300
	16	.3	1.3				1.3	.3	27.3			27.7	300
	19	.3	1.7				1.7	3.0	12.0			14.0	300
	22		3.3				3.3	8.3	7.0			14.0	300
TOTALS		.1	3.3				3.3	13.3	21.1		.0	31.8	2400

NAVWEASERVCOM

WEATHER CONDITIONS

1101 FL 1060, CALIFORNIA 73-02 OCT
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01	.3	1.3				1.3	23.1	7.8			28.6	308
	04	.3	2.9				2.9	27.9	9.4			34.1	308
	07	.3	3.6				3.6	34.4	15.9			45.5	308
	10		1.3				1.3	11.4	35.1		.3	42.5	308
	13	.3	1.0				1.0	1.0	39.9			40.6	308
	16		1.3				1.3	.3	31.8			31.8	308
	19		.6				.6	3.9	16.9			19.2	308
	22		.6				.6	12.0	9.7			19.5	308
TOTALS		.2	1.6				1.6	14.3	23.8		.0	32.7	2464

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WEATHER CONDITIONS

101 EL YORO, CALIFORNIA 73- 2 NOV
STATION STATION NAME YEARS MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (I.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		4.0				4.0	14.7	5.0			18.7	300
	04		3.0				3.0	17.3	5.3			21.3	300
	07		3.3				3.3	19.3	4.3		.7	22.3	300
	10	.3	3.3			.3	3.3	12.0	18.3			26.7	300
	13	.3	3.0				3.0	2.3	27.0			28.3	300
	16	.3	2.0				2.0		23.3			23.3	300
	19		.3				.3	5.0	10.7			14.7	300
	22		4.7				4.7	12.7	5.7			17.3	300
TOTALS		.1	3.0			.0	3.0	10.4	12.5		.1	21.6	2400

NAVWEASERVCOM

WEATHER CONDITIONS

STATION 101 EL PASO, CALIFORNIA 73-92 DEC NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		3.2				3.2	17.4	10.3			25.2	310
	04		3.9				3.9	18.4	7.4			23.5	310
	07		3.9		.3		4.2	21.3	8.7			26.8	310
	10		3.5				3.5	13.5	22.3			31.6	310
	13		3.9				3.9	4.8	31.0			33.5	310
	16		3.6				3.6	4.2	32.0		.3	36.3	309
	19		3.2				3.2	9.7	18.4			23.9	309
	22		3.2				3.2	14.6	12.6			25.2	309
TOTALS			3.6		.3		3.6	13.0	17.8		.3	28.0	2477

NAVWEASERVCOM

WEATHER CONDITIONS

101 EL TORO, CALIFORNIA 73-72 ALL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	POD	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.3	7.8		.1		7.8	6.4	9.5		.1	16.6	2231
FEB		.2	8.1				8.1	10.7	9.7			19.3	2024
MAR		.3	7.8				7.8	5.0	5.4			9.8	2479
APR			3.0				3.0	5.8	9.9		.0	15.0	2399
MAY			4.4				4.4	10.5	14.2			23.1	2480
JUN			3.0				3.0	12.4	17.8			28.6	2400
JUL			.5				.5	10.8	18.9			27.3	2487
AUG		.0	1.1				1.1	13.1	21.4			32.0	2480
SEP		.1	3.3				3.3	13.3	21.1		.0	31.8	2400
OCT		.2	1.6				1.6	14.3	20.8		.0	32.7	2464
NOV		.1	3.0			.0	3.0	10.4	12.5		.1	21.6	2400
DEC			3.6		.0		3.6	13.0	17.8		.0	28.0	2477
TOTALS		.1	3.9		.0	.0	3.9	10.6	14.9		.0	23.8	28714

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION LA JOLLA, CALIFORNIA YEARS JANUARY 1973-DECEMBER 1982 MONTH JANUARY HOURS (L.S.T.) ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.2								1.6	3.2	9.5			84.1
NNE	2.5	1.3							2.5		3.8			91.1
NNE	1.5	.6							3.2	5.1	7.0			86.6
ENE	2.1	1.0	1.0					.5	3.7	6.7	3.7			84.3
E	6.0	2.7	1.9					.3	8.2	1.9	4.1			79.8
ESE	11.3	5.3							5.9	1.8	1.8			76.9
SE	9.7	8.0	3.0						9.0	2.0	5.0			66.0
SSE	17.0	6.0	2.0			1.0			10.0	5.0	7.0			66.0
S	0.7	3.8						1.0	6.7	1.9	7.6			77.1
SSW		2.6								2.6	7.9			86.8
SW		7.7						2.6	5.1		10.3			79.5
WSW	2.1	4.1	1.3					1.7			13.4			78.4
W	.5	2.0							1.5	2.0	28.4			68.1
WNW	2.0	4.2							2.3	1.4	29.2			59.7
NW									6.4		22.7		2.3	70.5
NNW	3.4								10.3	3.4			3.4	82.6
VARIABLE														
CALM	4.1	1.0	1.3					.3	14.6	3.4	0.8			34.8
TOTAL	75	62	18			1		6	134	54	211		2	1725
% TOTAL	4.3	2.8	.8			.0		.3	6.0	2.4	9.3		.1	77.3

TOTAL NUMBER OF OBSERVATIONS 2,231

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION FL 7040, CALIFORNIA YEARS JANUARY 1973-DECEMBER 1982 MONTH FEBRUARY ALL HOURS 11:30-1

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEDING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.5	5.7						1.9	18.9	1.9	5.7			66.0
NNE	2.6	3.9							6.5	5.2	5.2			79.2
NE	.9	1.8							3.6	.9	.9			91.8
ENE	.6	.6							8.6	1.9	3.1			86.4
E	2.2	3.2	.3						10.5	2.9	5.1			79.7
ESE	4.4	4.9	3.5						10.5	1.4	2.1			72.0
SE	17.7	9.4	2.1					1.0	14.6	1.0	1.0			61.5
SSE	14.6	10.4	1.0					1.0	11.5		3.1			68.8
S	6.9	3.9	2.0						5.9	2.0	8.8			73.5
SSW	4.3	8.7	6.5						6.5		6.5			73.9
SW	3.0	1.8						1.0		8.4	16.1			78.6
WSW			1.2						4.3		16.0			79.8
W	1.6	1.6	.5						3.2		28.4			65.4
WNW	1.1	1.1	1.1						8.4	1.1	25.3			65.3
NW									6.5		32.3			61.3
NNW	4.5		4.5						9.1					91.8
VARIABLE														
CALM	2.1	.6	1.5						13.7	1.4	10.7			72.0
TOTAL	79	60	25					4	183	33	196			1510
% TOTAL	3.9	3.6	1.2					.2	9.0	1.6	9.7			78.6

TOTAL NUMBER OF OBSERVATIONS 2,024

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 11 1000, CALIFORNIA STATION NAME JANUARY 1973-DECEMBER 1992 YEARS MARCH MONTH ALL HOURS 11.5.7.1

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.4	8.1						2.7	10.8	5.4	2.7			73.0
NNE	2.7	4.7							4.7	2.3				98.4
NE		2.5							2.5	2.5	2.5			90.0
ENE	1.2	1.8							3.6		.6			94.0
E	1.1	2.5	1.1						5.1	1.1	.8			86.4
ESE	4.1	4.7	1.2					1.2	4.8	1.2	1.8			78.2
SE	1.2	4.4	1.9					.8	7.0	.8	3.1			70.3
SSE	7.5	4.8	2.7						8.2	.7	3.4			76.0
S	2.1	7.0						.5	3.7		4.3			84.0
SSW	1.3	5.8	1.1						2.2		2.2			86.7
SW	2.9	3.9							1.9		5.8			88.3
WSW		1.9							1.3		6.9			70.6
W	1.5	1.5						.4	.9	.8	13.6			82.6
WNW	2.4	4.8						1.2	1.2	1.2	20.2			71.4
NW	2.1	2.4									26.3			68.8
NNW		4.5							4.5	4.5	18.2			72.7
VARIABLE														
CALM	1.7	2.2	1.2						5.4	1.7	5.1			85.0
TOTAL	75	96	17					7	101	24	134			2574
% TOTAL	1.2	1.4	.7					.3	4.1	1.0	5.4			83.7

TOTAL NUMBER OF OBSERVATIONS 2,479

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION EL TORO, CALIFORNIA STATION NAME JANUARY 1973-DECEMBER 1982 YEARS MONTH ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS - PELLETS - SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.5	2.5							2.5	2.5	5.0			87.5
NNE	2.9								8.8		11.4		2.9	80.2
NE									10.3		3.4			87.9
ENE									9.8		2.9			88.2
E	1.8	2.5	0.6						6.2	0.9	4.0			87.0
ESE	2.5	2.3	1.3						6.3		3.8			84.9
SE	3.4	3.4	3.4						4.3	2.6	6.8			77.8
SSE	2.4	2.4							6.3	0.8	14.2			76.4
S		2.9	0.6						3.5		8.8			85.4
SSW	3.2		2.1						4.3		7.4			87.2
SW	1.4	1.0	1.0						2.9		5.8			89.3
WSW	1.1	1.1							1.1		16.4			81.4
W	0.4	0.6	0.9						0.9		16.4			81.7
WNW	1.1	1.1							2.2		20.4			75.3
NW									5.6		19.4			75.0
NNW		5.3												95.0
VARIABLE														
CALM		0.2	0.7						0.7	1.2	10.7			90.8
TOTAL	29	25	18						124	13	237		1	1988
% TOTAL	1.2	1.0	0.8						5.3	0.5	9.9		0.0	82.9

TOTAL NUMBER OF OBSERVATIONS 2,399

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION LA JOLLA, CALIFORNIA YEARS JANUARY 1973-DECEMBER 1992 MONTH MAY HOURS ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									10.5		26.3			64.4
NNE			0.3						25.0					66.8
NE		3.3							19.2		11.5			73.1
ENE	1.2		2.5						17.3		2.5			76.5
E	0.2	0.8	3.3						9.9	0.4	3.7			83.5
ESE			4.2						15.3	0.7	0.0			77.4
SE	2.4		4.7						11.0	2.4	9.4			74.8
SSE	1.7	0.6	3.3						6.7	1.1	4.3			81.1
S	0.4	1.5	5.8						3.5		10.8			77.7
SSW			0.5						5.8	0.8	12.4			81.8
SW		1.0	1.6						9.6	0.4	16.8			75.2
WSW			3.4						3.9		17.9			77.8
W		0.5	3.0						5.4		23.2			71.6
WNW			4.6						7.9	0.8	33.3			58.7
NW			2.6						13.2		31.6			55.3
NNW			4.3						26.1		30.4			43.5
VARIABLE														
CALM	1.4	0.3	2.7						10.3	0.5	11.8			78.9
TOTAL	10	13	41						249	12	350			1851
% TOTAL	0.0	0.5	3.3						10.0	0.5	14.1			74.6

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION EL PASO, CALIFORNIA YEARS JANUARY 1973-DECEMBER 1982 MONTH JUNE HOURS ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									26.3		42.1			42.1
NNE									22.2		11.1			66.7
NE			5.3						21.1		10.5			63.2
ENE		2.3	2.3						23.3		8.7			69.8
E		.5	1.0						18.2	.5	4.0			78.3
ESE			1.1						19.1		6.7			76.4
SE	1.0	1.0	2.2						25.5	2.0	12.2			58.2
SSE			6.9						14.7		14.7			64.7
S			4.4						15.3		24.2			58.4
SSW			1.9						7.9		15.8			76.7
SW			2.1						6.3		25.0			70.4
WSW			2.0						3.4		27.7			69.6
W			1.2						3.4	.2	21.7			75.3
WNW			1.2						4.9		25.3			69.8
NW									7.4	2.1	27.7			64.0
NNW			4.8						14.3		16.7			71.4
VARIABLE														
CALM			2.4						14.8	.9	12.1			70.3
TOTAL	2	4	67						288	10	427			1695
% TOTAL	.1	.2	2.8						12.0	.4	17.8			70.2

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 1 FL 1000, CALIFORNIA JANUARY 1973-DECEMBER 1982 JULY ALL
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									18.5		18.5			70.4
NNE									14.3		42.9			57.1
NE									25.0		12.5			75.0
ENE									32.1		21.4			57.1
E									15.2	.5	4.1			78.2
ESE									15.3		10.6			75.3
SE			1.2						10.5		13.3			79.5
SSE			1.7						8.6	.4	12.0			79.3
S			1.1						11.4	1.1	11.4			80.0
SSW									6.0	1.5	23.9			73.1
SW									11.3		22.4			67.9
WSW											31.2			68.0
W			.3						1.9		24.1			74.2
WNW			.6						4.7	.3	21.4			74.5
NW			1.2						11.1		29.6			63.0
NNW									31.8		20.5			54.5
VARIABLE														
CALM			.3	.3					25.6	1.3	14.5			46.7
TOTAL	1	1	11						255	12	467			1799
% TOTAL	.11	.03	.4						10.3	.5	18.8			72.5

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 14 TORO, CALIFORNIA JANUARY 1973-DECEMBER 1992 MONTH ALL HOURS 11.5.1

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	P.O WEATHER
N			0.3						25.0		18.8			62.5
NNE	14.3								14.3		14.3			57.1
NE			5.9						23.5	2.4	11.8			64.7
ENE									14.1		4.3			78.7
E			.5						25.8	1.6	9.5			68.4
ESE		1.3							19.0	2.5	7.6			69.6
SE	1.3		1.3						17.9		15.4			67.9
SSE	2.1		2.1						1.5	2.1	14.6			74.0
S			1.3						7.7	.6	21.8			71.2
SSW			1.7						11.9	1.7	25.4			66.1
SW									11.1		22.2			71.1
WSW	.7		.7						4.2		30.6			66.0
W	.2		.2						2.8	.2	29.5			68.7
WNW	.3								7.2	.8	28.0			66.9
NW								1.2	13.3		31.3			59.0
NNW									21.3	4.3	23.5			53.2
VARIABLE														
CALM	.1	.2	.6						12.6	.6	14.7			66.4
TOTAL	10	2	16					1	309	17	530			1677
% TOTAL	.4	.1	.6					.0	12.5	.7	21.4			67.6

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION NAME CL 1000, CALIFORNIA YEARS JANUARY 1973-DECEMBER 1982 MONTH SEPTEMBER HOURS (L.S.T.) ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N			2.6						15.4		17.9		2.6	66.7
NNE									16.1		2.2			40.4
NE									18.6	2.3	4.7			79.1
ENE			1.0						17.3	3.1	7.1			74.5
E			1.9						23.2	1.4	9.2			67.6
ESE			2.6					1.3	13.3	2.6	9.1			74.6
SE	4.3		5.7						18.6	4.3	18.6			64.3
SSE	5.4	2.2	6.5					1.1	15.2	1.1	19.6			65.2
S		.8	3.0						8.3	.8	17.4			74.2
SSW			7.3						7.3		30.9			61.0
SW		2.5	5.0						5.0		22.5			70.0
WSW	.7		1.3						2.6		28.9			67.8
W		.6	1.6						4.0	.4	30.6			65.6
WNW	.1								4.9	.5	34.6			62.4
NNW			1.2						8.4	2.4	30.1			59.0
NNW	4.2		6.3						20.8		22.9			52.1
VARIABLE														
CALM	.4	.6	1.9					.2	16.9	1.0	14.4			64.3
TOTAL	14	10	96					3	200	29	507		1	1609
% TOTAL	.9	.4	2.3					.1	12.1	1.2	21.1		.0	67.0

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION FL 1090, CALIFORNIA JANUARY 1973-DECEMBER 1982 OCTOBER ALL
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									22.2		8.9			68.9
NNE	4.0							2.0	8.0	2.0	8.0			80.0
NE			.9						12.3		2.8		.9	84.0
ENE	.6		1.8						14.3	1.2	3.0			82.1
E			1.3					.3	15.4	1.0	9.9			75.0
ESE	1.0	1.0	1.0						17.5	1.0	9.3			74.2
SE	1.7		3.3						15.0	1.7	13.3			68.3
SSE		1.7	1.7						12.1		20.7			67.2
S	2.1	3.1						1.0	11.5		12.5			74.0
SSW									4.8		18.2			77.3
SW		2.6							7.7		17.9			71.8
WSW	.7	.7							4.3		20.6			77.3
W	.2	.2	.7					.2	3.2	.2	37.2			59.1
WNW									1.8		43.3			55.5
NW			1.8						10.9		38.2			52.7
NNW									21.2		21.2			60.6
VARIABLE														
CALM									36.1	1.7	22.1			38.6
TOTAL	1.0	10	19					4	332	19	513		1	1634
% TOTAL	.4	.8	.8					.2	13.5	.8	20.8		.0	66.3

TOTAL NUMBER OF OBSERVATIONS 2,464

NAYWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION FL TOWO, CALIFORNIA JANUARY 1973-DECEMBER 1982 NOVEMBER ALL
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEDING RAIN FREEDING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		2.1					2.1	2.1	16.7	2.1	8.3			75.0
NNE									8.1		5.0		1.2	85.7
NE	.7	.7							6.9	1.4	5.5			88.8
ENE	.4	.4							9.6	1.7	5.4		.4	83.6
E		2.0	.3						8.4	1.5	5.1			83.4
ESE	4.3	1.3							15.3	1.3	4.0			77.3
SE	5.1	1.3	2.6						14.1	1.3	4.0			71.8
SSE	2.9	4.3	4.3						8.7		8.7			71.0
S	4.3	2.2							7.6	1.1	9.8			75.0
SSW		6.0							2.0		12.0			82.0
SW	5.4	5.4	2.7						2.7		13.5			73.0
WSW		3.3						1.1	1.1	1.1	18.7			76.9
W	.4	1.2							1.5	.8	23.1			74.2
WNW								.7	2.7	.7	32.0			63.3
NW			1.9						13.2		30.2			80.4
NNW	4.5								22.6		22.6			58.1
VARIABLE														
CALM		.7	1.2						14.3	3.2	18.7			64.1
TOTAL	25	33	13				1	3	215	35	291		2	1822
% TOTAL	1.4	1.9	.5				.0	.1	4.0	.5	12.1		.1	75.9

TOTAL NUMBER OF OBSERVATIONS 2,000

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 1 EL TORO, CALIFORNIA STATION NAME JANUARY 1973-DECEMBER 1982 YEARS DECEMBER MONTH ALL HOURS (1,5,7,9)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									6.8	3.8	13.6			78.0
NNE		2.5							2.8	.9	8.3			86.1
NE		1.1							4.0	2.3	8.6			86.8
ENE	.4								13.4	.8	8.8			80.8
E	.2	1.0	.2		.2				11.8	2.0	12.4			79.2
ESE	6.3	4.1	2.7						14.9	2.7	4.7			69.6
SE	5.6	3.3	3.3						16.7		7.4			68.9
SSE	11.2	1.1	1.1						21.3	1.1	7.9			65.2
S	4.5	3.6	2.4						12.0	1.2	14.5			71.1
SSW	9.4								9.4	1.9	20.8			64.2
SW	2.4		5.9						2.9		8.8			82.4
WSW		1.6	1.6						8.1		14.5			75.8
W	1.1		.8						6.7	.4	36.8			58.2
WNW									3.6	.7	43.5			55.1
NW									5.6		31.5		1.9	61.1
NNW									7.3		31.7			63.4
VARIABLE														
CALM	1.0	.2	.2						22.6	.7	22.8			54.5
TOTAL	48	24	17		1				293	29	441		1	1725
% TOTAL	1.9	1.0	.7		.0				11.8	1.2	17.8		.0	69.6

TOTAL NUMBER OF OBSERVATIONS 2,477

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION FL TONO, CALIFORNIA JANUARY 1973-DECEMBER 1982 ALL ALL
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.5	1.7	.6				.2	.6	13.3	1.9	12.3		.2	72.6
NNE	1.4	1.6	.2					.2	7.4	1.3	6.5		.4	82.9
NE	.5	.9	.4						7.7	2.0	5.6		.1	85.0
ENE	.7	.5	.6					.1	10.7	1.5	4.8		.1	82.9
E	1.4	1.3	1.1		.0			.1	11.9	1.4	6.2			79.4
ESE	4.9	2.6	1.3					.2	12.1	1.3	9.1			76.1
SE	5.4	3.4	1.6					.2	13.1	1.5	8.9			69.6
SSE	4.7	2.9	2.8			.1		.2	10.6	1.1	10.6			72.5
S	1.7	2.2	2.5					.2	8.9	.6	12.8			75.5
SSW	1.4	1.6	1.9						5.7	.6	14.5			77.6
SW	1.4	2.1	1.2					.3	5.5	.6	14.4			78.3
WSW	.4	.9	1.1					.1	2.7	.1	20.5			75.9
W	.4	.5	.8					.0	3.0	.3	26.2			70.6
WNW	.5	.5	.6					.1	4.6	.5	29.5			65.7
NW	.1	.1	.7					.1	9.0	.6	29.6		.3	62.2
NNW	1.5	.5	1.7						17.2	1.0	19.2		.2	63.4
VARIABLE														
CALM	.5	.6	1.1					.0	17.0	1.4	14.1			64.6
TOTAL	47.2	34.0	35.8		1	1	1	28	277.4	28.7	430.4		8	2109.9
% TOTAL	1.4	1.2	1.2		.0	.0	.0	.1	9.7	1.0	15.0		.0	73.5

TOTAL NUMBER OF OBSERVATIONS 26,714

NAYWEASERVCOM

NOC.D. Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather	From beginning of record thru Jun 52	Snow depth at 0030 GCT
Bureau Stations	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION EL TIERO, CALIFORNIA STATION NAME 45-51 YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	73.0	7.3	.9	2.4	2.4	3.8	4.5	2.7	2.1	.1	.1			18.8	1095	2.48	8.89	.00
FEB	72.9	9.1	1.4	2.8	1.9	3.5	3.3	2.5	2.1	.3				18.0	988	2.15	1.70	TRACE
MAR	72.2	7.5	1.6	2.7	3.4	4.3	4.3	2.6	1.4	.1				20.4	1085	2.10	7.76	TRACE
APR	72.5	14.4	1.3	2.6	1.8	3.5	1.9	1.4	.6					13.1	1080	1.05	5.43	TRACE
MAY	72.1	19.4	1.4	3.2	1.8	1.6	.3	.2						4.5	1147	.22	1.22	TRACE
JUN	72.5	17.2	.5	1.7	.6	.4	.1							3.3	1110	.06	.32	.00
JUL	91.4	7.7	.1	.4	.1	.2	.1							.9	1116	.02	.34	.00
AUG	80.3	7.1	.4	.4	.4	.2	.1	.1		.1				1.6	1116	.13	3.05	.00
SEP	82.3	14.1	1.1	1.0	.2	.5	.5	.2	.3					3.7	1110	.21	2.19	.00
OCT	72.0	14.2	2.0	2.1	.5	1.3	.6	.3						6.7	1116	.22	1.48	TRACE
NOV	72.7	7.7	1.6	1.7	1.2	2.4	2.8	1.9	.7	.3				12.6	1110	1.39	6.70	.00
DEC	77.3	7.7	.9	3.0	1.7	3.3	2.3	2.5	1.3					15.0	1147	1.69	5.28	TRACE
ANNUAL	72.6	11.2	1.1	2.0	1.3	2.1	1.7	1.2	.7	.1	.0			10.2	13210	1.72		

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION 11 TORO, CALIFORNIA 45-61 YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.03	.04-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-3.4	3.5-5.4	5.5-8.4	8.5-10.4	10.5-15.4	15.5-25.4	25.5-35.4	35.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	99.7	.6		.1										.1	1023	TRACE	1.2	.0
FEB	99.9	.1													932	TRACE	TRACE	.0
MAR	99.9	.1													1054	TRACE	TRACE	.0
APR	100.0														1050	.0	.0	.0
MAY	100.0														1085	.0	.0	.0
JUN	100.0														1010	.0	.0	.0
JUL	100.0														1054	.0	.0	.0
AUG	100.0														1054	.0	.0	.0
SEP	100.0														1020	.0	.0	.0
OCT	100.0														1054	.0	.0	.0
NOV	100.0														1080	.0	.0	.0
DEC	99.9	.1													1116	TRACE	TRACE	.0
ANNUAL	99.9	.1		.0										.0	12572	.0	X	X

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION EL PASO, CALIFORNIA STATION NAME 50-81 YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-30.4	OVER 30.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	99.9				.1									.1	930			
FEB	100.0														847			
MAR	100.0														961			
APR	100.0														930			
MAY	100.0														992			
JUN	100.0														930			
JUL	100.0														961			
AUG	100.0														992			
SEP	100.0														930			
OCT	100.0														961			
NOV	100.0														960			
DEC	100.0														992			
ANNUAL	100.0				.0									.0	11356			

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION EL TORO, CALIFORNIA
STATION NAME

45-82

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				.19	.04	.02	.02	.65	TRACE	.32	.21	2.43	
46	.17	.66	2.49	.63	.09	TRACE	TRACE	TRACE	.30	.32	1.54	2.01	2.49
47	.39	.33	.19	.14	.14	.03	.00	.03	.12	.05	.35	1.07	1.07
48	.01	1.15	.64	1.00	.05	.09	TRACE	TRACE	TRACE	.04	.00	.64	1.55
49	1.17	.31	.40	.03	.23	TRACE	TRACE		TRACE	.06	.84	.61	
50	.71	1.08	.74	.93	.04	TRACE	TRACE	.07	TRACE	.03	.76	.02	1.08
51	.51	.31	.55	.85	.04	TRACE	TRACE	.18	.26	.68	.37	1.91	1.91
52	1.83	.20	2.54	.79	TRACE	.04	TRACE	TRACE	.31	TRACE	1.60	1.00	2.54
53	.39	.46	.46	.14	.08	TRACE		TRACE	TRACE	TRACE	.96		
54	1.84	1.60	1.17	.05	.05	TRACE	TRACE	TRACE	TRACE	TRACE	.81	.41	1.84
55	1.45	1.50	.18	1.24	.33	.02	TRACE	TRACE	TRACE	TRACE	.35	.32	1.50
56	5.18	.30	TRACE	1.88	.30	TRACE	TRACE	TRACE	TRACE	.36	.00	.37	5.18
57	1.03	1.29	.46		.21	.04	.03	TRACE	.00	.55	.27	1.37	
58	.40	2.05	1.99	2.13	.17	.08	.00	.04	.54	.07	.24	.03	2.18
59	.80	1.09	TRACE	.47	.09	TRACE	TRACE	.01	TRACE	.03	.11	.70	1.09
60	.63	1.24	.19	1.50	.09	TRACE	.34	TRACE	.01	.15	1.23	.12	1.40
61	.62	.18	.27	.01	.01	.11	TRACE	.08	.01	.21	.59	1.11	1.11
62	1.62	1.19	.61	TRACE	.51	.19	TRACE	TRACE	TRACE	.04	.03	TRACE	1.62
63	.20	1.93	1.46	.86	TRACE	.08	TRACE	.06	1.20	.26	2.79	TRACE	2.79
64	.71	.09	.38	.25	.03	.25	.00	TRACE	.12	.19	.56	.77	.98
65	.32	.19	.77	.95	.01	.09	.11	.01	.38	TRACE	2.61	1.85	2.61
66	.80	.80	.19	.06	.03	TRACE	TRACE	TRACE	.03	.08	2.81	2.31	2.81
67	1.33	TRACE	.51	.51	.03	.03	TRACE	TRACE	.24	TRACE	.78	1.21	1.33
68	.25	.09	1.17	.45	.11	TRACE	.10	TRACE	TRACE	.17	.30	.69	1.17
69	1.82	2.94	.56	.32	.14	.02	.13	.00	.01	TRACE	1.89	.14	2.94
70	.50	.93	1.11	.01	.01	.03	TRACE	.00	TRACE	.13	1.89	1.08	1.89
71	.56	.23	.30	.32	.22	.07	TRACE	.00	.01	.25	.12	.75	.75
72	TRACE	.06	TRACE	.07	.04	.11	TRACE	.08	.01	.02	.92	.59	.92
73	1.25	1.35	.94	.04	.07	.05	TRACE	TRACE	.11	.14	.34	.14	1.35
74	1.51	.14	1.06	.25	.11	TRACE	TRACE	TRACE	TRACE	.17	.01	2.08	2.08
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION	FL 1000, CALIFORNIA
STATION NAME	

42-43

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

SMOS

EXTREME VALUES

STATION	FL TORO, CALIFORNIA
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45-47

YEARS

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION EL YORO, CALIFORNIA
STATION NAME

45-57

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
85											.0	.0	
46			.0	.0				.0	.0				
47	.0		.0	.0	.0	.0	.0	.0		.0	.0	.0	
48		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49	1.2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
54		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
56		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
MEAN													
S.D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

0111 EL YORO, CALIFORNIA
STATION STATION NAME

45-97

YEARS

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION

EL TORO, CALIFORNIA
STATION NAME

45-87

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				0	0	0	0	0	0	0			SNOWFALL DAYS
46	0				0	0	0			0		0	SNOWFALL DAYS
47		0	0							0		0	SNOWFALL DAYS
48	0							0					SNOWFALL DAYS
49								0					SNOWFALL DAYS
50								0					SNOWFALL DAYS
51									0				SNOWFALL DAYS
52													SNOWFALL DAYS
53							0						SNOWFALL DAYS
54				0									SNOWFALL DAYS
55				0									SNOWFALL DAYS
56													SNOWFALL DAYS
57				0									SNOWFALL DAYS
58				0									SNOWFALL DAYS
59										0			SNOWFALL DAYS
60	0	0	0	0	0	0	0	0	0	0	TRACE	0	SNOWFALL DAYS
61	25	9	15	20	6	24	12	13	23	6	21	4	
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION EL TORO, CALIFORNIA

STATION NAME

45-49, 50-82

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45													
46													
47													
48													
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
MEAN													
S.D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

STATION	EL TORO, CALIFORNIA
STATION NAME	

45-40, 50-92

YEARS

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION 101 EL 1090, CALIFORNIA 45-41, 50-82 YEARS

DAILY SNOW DEPTH IN INCHES
(BASED ON LESS THAN FULL MONTHS)

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				0	0	0	0	0	0	0	0	0	SNO DPTH DAYS
46	0	0	1	0	0	0	0	0	0	0	0	0	SNO DPTH DAYS
47	0	1	2	0	0	0	0	0	0	0	0	0	SNO DPTH DAYS
48	0	0	0	0	0	1	0	0	0	1	0	0	SNO DPTH DAYS
49	0	0	0	0	0	0	0	0	0	0	0	0	SNO DPTH DAYS
50	0	0	0	0	0	0	0	0	0	0	0	0	SNO DPTH DAYS
51	0	2											SNO DPTH DAYS
52									2				SNO DPTH DAYS
53				29			10						SNO DPTH DAYS
54				28		29							SNO DPTH DAYS
55			30										SNO DPTH DAYS
56										29			SNO DPTH DAYS
57	25	9	16	20	6	24	12	13	23	6	21	4	SNO DPTH DAYS
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
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75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EL TORO, CALIFORNIA

1946-1979 1981-1982

DAILY EXTREME AMOUNTS

STATION

STATION NAME

YEARS

JANUARY

FEBRUARY

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.00	25	1955			
2	0.50	13	1971			
3	1.30	33	1978			
4	1.54	39	1978	T	T	1978
5	1.54	40	1979			
6	0.80	20	1959			
7	1.11	28	1976			
8	0.71	18	1957			
9	0.63	16	1978	T	T	1989
10	1.21	31	1955	T	T	1989
11	1.38	35	1958	1.2	30	1989
12	1.31	33	1952			
13	1.05	26	1957			
14	1.10	28	1978			
15	0.57	14	1979			
16	1.83	46	1952	T	T	1955
17	1.44	36	1952			
18	1.49	38	1955			
19	1.84	47	1954			
20	1.62	41	1982			
21	1.69	43	1964	T	T	1982
22	1.33	34	1961			
23	0.44	11	1989			
24	1.30	33	1967			
25	0.91	23	1956			
26	5.13	132	1956			
27	1.35	34	1956			
28	0.98	25	1981	T	T	1979
29	0.87	22	1981			
30	1.24	31	1979			
31	0.62	16	1979			
Monthly	5.13	132	1956	1.2	30	1989

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.24	31	1980			
2	0.37	9	1979			
3	2.03	52	1958			
4	0.89	23	1958			
5	1.53	39	1968			
6	1.18	30	1989			
7	0.68	17	1976			
8	1.18	30	1982			
9	1.93	49	1983			
10	0.99	25	1978			
11	1.35	34	1973			
12	1.19	30	1978			
13	1.80	46	1954			
14	0.20	5	1954			
15	0.54	14	1982			
16	1.09	28	1959			
17	0.79	20	1959			
18	0.45	11	1989			
19	1.98	50	1958			
20	1.13	29	1982	T	T	1982
21	1.03	27	1959			
22	0.54	14	1989			
23	2.77	70	1989			
24	2.99	76	1989			
25	2.62	67	1989			
26	0.31	8	1951			
27	1.50	38	1955			
28	1.31	33	1978			
29	0.24	6	1980			
30						
31						
Monthly	2.99	76	1989	T	T	1982

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMO.

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

FL TORO, CALIFORNIA

1945-1992

STATION

STATION NAME

YEARS

MARCH

MONTH

APRIL

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.19	30	1978			
2	1.07	27	1980			
3	1.35	9	1967			
4	1.23	31	1978			
5	0.67	17	1980			
6	0.67	17	1980			
7	2.54	65	1952			
8	1.17	30	1968			
9	0.37	9	1957			
10	0.68	17	1975			
11	0.71	18	1973			
12	1.38	35	1958			
13	0.40	10	1948			
14	1.15	29	1982			
15	0.39	61	1952			
16	1.99	51	1958			
17	0.64	16	1979			
18	0.18	5	1962	T	T	1980
19	1.18	30	1979			
20	0.94	24	1973			
21	0.57	14	1958			
22	0.43	11	1964			
23	0.88	22	1964			
24	0.74	19	1950			
25	0.40	10	1977			
26	0.22	6	1965			
27	1.56	40	1979			
28	0.56	14	1979			
29	0.30	8	1954			
30	2.49	63	1946			
31	0.77	20	1965			
Monthly	2.54	65	1952	T	T	1980

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.18	55	1958			
2	0.31	8	1968			
3	1.00	25	1948			
4	0.21	5	1938			
5	0.32	8	1969			
6	1.30	33	1958			
7	0.65	17	1958			
8	1.06	27	1975			
9	0.48	12	1965			
10	0.72	18	1952			
11	0.41	10	1967			
12	7.88	48	1956			
13	0.40	10	1956			
14	0.32	8	1971			
15	1.01	26	1978			
16	0.12	3	1975			
17	0.88	22	1963			
18	0.51	13	1967			
19	0.38	10	1967			
20	0.82	21	1957			
21	0.61	15	1957			
22	0.32	8	1955			
23	0.09	2	1960			
24	0.16	4	1960			
25	0.65	22	1951			
26	0.54	14	1963			
27	1.40	36	1960			
28	0.59	15	1948			
29	0.04	1	1973			
30	1.24	31	1955			
31						
Monthly	2.18	55	1958			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION EL TORO, CALIFORNIA
STATION NAME

1945-1982
YEARS

MAY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.12		3 1978			
2	0.06		2 1950			
3	0.09		2 1950			
4	0.31		8 1982			
5	0.11		3 1974			
6	0.14		4 1969			
7	0.33		13 1955			
8	0.32		21 1977			
9	0.32		8 1977			
10	0.14		4 1947			
11	0.09		2 1957			
12	0.11		3 1968			
13	0.25		6 1949			
14	0.51		13 1962			
15	0.04		2 1953			
16	0.04		1 1962			
17	0.10		3 1949			
18	0.16		4 1949			
19	0.28		7 1957			
20	0.15		8 1975			
21	0.06		2 1957			
22	0.05		1 1950			
23	0.03		1 1980*			
24	0.12		3 1955			
25	0.17		4 1962			
26	0.04		1 1962			
27	0.11		3 1971			
28	0.22		6 1971			
29	0.01		1945			
30	0.12		3 1948*			
31	0.07		2 1973			
Monthly	0.52		21 1977			

JUNE
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.11		3 1961			
2	0.08		2 1948			
3	0.01		1963			
4	0.01		1945			
5	0.02		1 1972			
6	0.01		1972			
7	0.03		1 1972			
8	0.11		3 1972			
9	0.25		6 1964			
10	0.32		8 1976			
11	0.02		1 1969			
12	0.01		1970			
13	0.03		1 1967			
14	T		1982*			
15	0.19		5 1962			
16	0.08		2 1958			
17	0.07		2 1982			
18	0.09		2 1945			
19	T		1975*			
20	0.05		1 1972			
21	0.03		1 1982			
22	0.03		1 1982			
23	T		1972*			
24	0.03		1 1947			
25	0.05		1 1965			
26	0.04		1 1952			
27	T		1959*			
28	T		1959*			
29	T		1975*			
30	T		1973*			
31						
Monthly	0.32		8 1976			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION EL TORO, CALIFORNIA STATION NAME

1945-1992 YEARS

JULY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	T	T	1955*			
2	0.04		1 1957			
3	T	T	1967*			
4	T	T	1977*			
5						
6	T	T	1973*			
7	0.02		1 1968			
8	0.10		3 1968			
9	T	T	1972*			
10	0.05		1 1957			
11	0.13		3 1969			
12	T	T	1955*			
13	T	T	1979*			
14	T	T	1974*			
15	T	T	1976*			
16	T	T	1976*			
17	T	T	1965*			
18	T	T	1973*			
19	T	T	1972*			
20	1.34		9 1963			
21	T	T	1972*			
22	T	T	1976*			
23	T	T	1954			
24	T	T	1973*			
25	T	T	1976			
26						
27	T	T	1968*			
28	0.04		1 1968			
29	0.11		3 1965			
30	0.01		1965			
31	T	T	1976*			
Monthly	0.34		9 1963			

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	T	T	1963			
2						
3	T	T	1968*			
4	0.08		2 1961			
5	T	T	1979			
6	T	T	1979*			
7	0.06		2 1963			
8	0.03		1 1947			
9	T	T	1956*			
10	T	T	1961*			
11	0.05		1 1979			
12	0.08		2 1972			
13	0.03		1 1958			
14	T	T	1980*			
15	0.03		1 1958			
16	0.45		11 1977			
17	2.58		66 1977			
18	0.65		17 1945			
19	T	T	1980*			
20						
21	0.01		1975			
22	T	T	1965*			
23	0.01		1959			
24	T	T	1974*			
25	T	T	1964*			
26	T	T	1974*			
27	T	T	1972*			
28	0.18		8 1951			
29	0.17		4 1951			
30	T	T	1974*			
31	T	T	1974*			
Monthly	2.58		66 1977			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION EL TOPO, CALIFORNIA STATION NAME 1945-1982 YEARS

SEPTEMBER MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.07	2	1967			
2	T	T	1972*			
3	0.27	7	1976			
4	0.31	9	1963			
5	1.10	28	1978			
6	0.12	3	1978			
7	0.02	1	1976			
8	0.01		1982			
9	0.04	1	1976			
10	1.33	34	1976			
11	0.02	1	1976			
12	T	T	1980*			
13	T	T	1982*			
14	0.07	2	1978			
15	0.10	3	1982			
16	0.08	1	1982			
17	1.20	30	1963			
18	0.53	13	1963			
19	0.31	8	1952			
20	T	T	1976*			
21	T	T	1979*			
22	0.11	3	1973			
23	0.56	14	1958			
24	0.12	3	1964			
25	0.16	4	1982			
26	0.40	10	1992			
27	0.26	7	1951			
28	0.24	7	1967			
29	0.01		1966			
30	0.03	1	1981			
31						
Monthly	1.33	34	1976			

OCTOBER MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.64	16	1981			
2	0.01		1951			
3	0.13	3	1970			
4	0.20	5	1956			
5	T	T	1973*			
6	0.08	2	1945			
7	0.06	2	1976			
8	0.21	5	1961			
9	T	T	1968*			
10	0.15	4	1960			
11	0.55	14	1957			
12	T	T	1964*			
13	0.33	8	1957			
14	0.15	4	1957			
15	T	T	1973*			
16	0.28	7	1971			
17	0.13	3	1963			
18	0.26	7	1963			
19	0.07	2	1979			
20	0.31	8	1979			
21	T	T	1973*			
22	T		1981*			
23	0.05	1	1951			
24	0.02	1	1951			
25	0.68	17	1951			
26	0.03	1	1959			
27	0.18	5	1956			
28	0.36	9	1956			
29	0.32	8	1945			
30	0.35	9	1957			
31	0.06	2	1957			
Monthly	0.68	17	1951			

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION PL YORO, CALIFORNIA
STATION NAME

1945-1982
YEARS

NOVEMBER MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.11		3 1959			
2	0.27		7 1957			
3	1.22		6 1960			
4	T		1 1972			
5	0.15		5 1960			
6	1.00		48 1969			
7	2.61		71 1966			
8	2.61		10 1966			
9	0.79		20 1962	T	T	1982
10	1.92		23 1982			
11	1.81		21 1954			
12	1.84		47 1946			
13	1.04		26 1946			
14	0.96		26 1953			
15	1.63		41 1952			
16	1.04		26 1965			
17	0.56		14 1964			
18	0.27		7 1950			
19	0.34		13 1950			
20	2.79		71 1963			
21	0.78		20 1967			
22	2.61		66 1965			
23	0.66		17 1946			
24	0.72		18 1965			
25	0.58		15 1961			
26	0.60		15 1960			
27	0.50		14 1981			
28	0.77		25 1981			
29	1.89		48 1970			
30	1.01		26 1952			
31						
Monthly	2.61		71 1966	T	T	1982

DECEMBER MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.81		21 1952			
2	1.11		26 1961			
3	1.37		47 1966			
4	2.38		53 1974			
5	2.31		59 1966			
6	0.47		12 1966			
7	0.39		10 1972	T	T	1972
8	0.25		6 1959			
9	0.59		15 1959			
10	0.46		22 1965			
11	0.59		15 1951			
12	0.35		9 1965			
13	0.02		1 1971			
14	0.58		15 1965			
15	1.34		34 1957			
16	0.72		18 1957			
17	0.40		23 1978			
18	1.21		31 1967			
19	0.64		16 1970			
20	1.00		25 1952			
21	1.60		41 1945			
22	2.43		62 1945			
23	0.15		4 1948			
24	0.75		19 1971			
25	0.69		18 1968			
26	2.01		51 1946			
27	0.77		20 1964			
28	0.78		20 1978			
29	1.91		49 1951			
30	1.15		29 1951			
31	0.19		5 1965			
Monthly	2.43		62 1945	T	T	1972

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NOCH, Federal Building
Asheville, N. C.

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION 1 EL PASO, CALIFORNIA

95-4

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
67				W 32NW 27S	23W	18S	20NE	33NE	33NE	30S	26		
68	10 54E 45			SSW 30			W 18W	20NE	36NE	53NE	56		
69	11E 55SE 17NE	3NE	42S	2NW	23NW	20W	24NW	19NW	20NE	53NE	47		ENE 55
70		NNE 47NE	36S	28W	24SW	17NW	17NW	14SW	18NE	27NE	59S	37	
71	NE 54NE	27W	33W	21NW	21NE	33W	19W	20S	22W	35SSW	28NE	31	NE 59
72	SSW 30	W	24NW	24NW	24W	21S	20NW	20S	21W	20NE	50NE	30	
73													
74	NE 37NE	44NE	47SE	19W	21NW	23NW	17NW	20W	19NW	16NE	43		
75	NE 28NE	54W	30W	25NE	38W	19W	18W	19SW	18NE	24W	24E	61	NE 60
76	SSW 31		SSW 37W	27W	23W	21W	17NW	18NW	17NE	29SSW	24NE	59	
77													
78	SSW 27NE	45NE	53W	34W	38NE	31W	22W	18SE	36SE	33W	18W	36SW	21
79	SSW 27NE	45NE	53W	34W	38NE	31W	22W	18SE	36SE	33W	18W	36SW	21
80	NE 4E	14NE	39	W	33NE	20SE	20SW	24SW	20				
81	NE 34SE	45NE	33SSW	46W	24SW	27W	19NW	19NE	43NE	32W	37NE	37	SSW 46
82	NE 33NE	33NE	28SW	19SW	24W	14SE	21W	20SE	23NE	24NE	44NE	37	NE 44
83	NE 43NE	36NE	29NE	38W	27SW	19S	47NW	21W	18NE	39NE	41NE	51	NE 51
84	NE 2NE	40NE	41S	40W	21W	22NW	21SE	25W	22NE	41NE	52NE	24	NE 52
85	NE 45SE	28NE	29W	27W	23S	18W	19SE	22SW	17S	26NE	39NE	37	NE 45
86	NE 34NE	13SE	32W	32S	23W	24S	14W	19SE	24W	20NE	42NE	39	NE 47
87	NE 47NE	50NE	43W	28W	24S	23W	18S	24W	23SW	23NE	34NE	29	NE 50
88	NE 24NE	34NE	33S	34W	23SSW	20W	19W	17NE	33E	22S	26SSW	31	NE 56
89	NE 53NE	47W	27W	22NW	23SSW	19W	25W	24NW	22E	45S	24NE	34	SE 58
90	NE 40N	43W	34W	24W	24W	20W	19W	18W	30E	30S	25NE	54	NE 54
91	NE 27SW	17W	32NE	24W	24S	22W	14W	20W	18NE	29NE	40NE	32	NE 48
92	NE 37S	37	SW	24SW	1W	20NW	1PS	19NW	17NE	34NE	31NE	44	
93	NE 33NE	47NE	34NE	34W	25	19NW	18W	18NE	32NE	32SE	29SE	28	NE 47
94	NE 3206	2404	3325	2926	1817	1525	1827	21	2704	2602	4536	46	36 46
95	03 3703	2216	2325	2718	2427	1816	2121	2325	1902	4323	35		
96	34 3418	3734	3701	4217	2122	2322	1815	2203	2405	2524	2506	34	01 42
97	33 4403	5112	2425	3224	2226	2716	2725	2229	1825	3203	2302	50	03 51
MEAN													
S.D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

STATION

EL TIPO, CALIFORNIA

45-97

YEARS

DAILY PEAK GUSTS IN KNOTS

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

1171
STATION

EL TORO, CALIFORNIA
STATION NAME

45-97
YEARS

YEARS

DAILY PEAK GUSTS IN KNOTS
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			W 40 26		S 23 22	WNW 19 12	WNW 18 23						WINDS DAYS
46	NE 50 23												WINDS DAYS
50		WSW 19 22											WINDS DAYS
52												ESE 36 24	WINDS DAYS
54		WNW 31 24											WINDS DAYS
55	ESE 34 13		WSW 20 12										WINDS DAYS
56					NE 4 27						ESE 49 21		WINDS DAYS
57				W 33 26						SSW 25 27	NE 63 21		WINDS DAYS
69			WNW 33 27										WINDS DAYS
72												SE 51 27	WINDS DAYS
76			ON 24 27										WINDS DAYS
78	03 62 15 25	19 14 9	24 05 16	05 51 25 20	1 12 25 6	12 25 24 24	16 14 12	30 17 13	20 25 23	18 23 6	34 04 20	47 16 16	WINDS DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION EL TORO, CALIFORNIA STATION NAME 45-62 YEARS

DAILY PEAK GUSTS IN KNOTS (MPH 1949-1955)
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46			40		5 23	WNW 19	WNW 18						WINDS DAYS
48	NE 34 23		26		23	12	23						WINDS DAYS
50		WSW 19 22											WINDS DAYS
52												ENE 39 24	WINDS DAYS
54		WSW 31 24											WINDS DAYS
55	ENE 34 17		WSW 20 12										WINDS DAYS
56					NE 42 27						ENE 49 21		WINDS DAYS
57				4 33 25						SSW 25 27	NE 63 21		WINDS DAYS
59			WNW 33 27										WINDS DAYS
72												36 91 27	WINDS DAYS
76			04 24 27										WINDS DAYS
82	03 6215 25	17 14 9	24 20 16	05 5125 20	16 12 6	25 24 24	16 14 12	30 19 13	20 25 23	18 23 6	34 27 20	18	WINDS DAYS
MEAN													
S. O.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 1191 EL TORO, CALIFORNIA STATION NAME: 73-79,81-82 YEARS: JAN MONTH: 01 HOURS (L.S.T.):

ALL WEATHER CLASS:

CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.8	.4			.7							2.3	6.8
NNE	1.2	.4	.7			1.1						4.7	4.6
NE	3.8	4.3	.7									3.5	4.0
NNE	5.6	7.3	.7	.4								13.7	4.1
E	11.5	11.2	2.5									25.2	3.9
ESE	5.4	6.7	.7	.4								11.5	3.8
SE	3.2	3.2			.4							6.8	4.1
SSE	1.2	.7	.4	.4								3.6	4.2
S	.7	.4	.4									1.9	4.0
SSW		.4										.4	4.0
SW	.4	.4		.4								1.1	7.0
WSW		.7	.4	.4								1.4	7.3
W	.7	.4										1.1	3.0
WNW													
NW		.7										.7	4.0
NNW	.7	.4										1.1	3.3
VARBL													
CALM												16.2	
	34.1	35.3	6.5	1.8	1.1	1.1						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 275

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

101
STATION

EL TORO, CALIFORNIA
STATION NAME

73-79, 81-92
YEARS

JAN
MONTH

ALL WEATHER
CLASS

04
NUMBER (L.B.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	.4	.7									3.6	3.7
NNE	1.4	1.4		.7		.4	.4					4.5	4.4
NE	1.7	3.4	.4	1.1	.4							17.4	5.1
NNE	2.7	6.0	.4	.4								14.7	3.6
E	10.5	12.5	.7									24.0	3.6
ESE	5.7	2.4	1.1	.4								10.0	3.9
SE	2.9	1.4										4.3	3.0
SSE	1.1	1.1										2.2	3.2
S	1.1	.4										1.4	2.3
SSW	.4	.4										.7	4.5
SW													
WSW													
W	.4		.7	.7								1.4	10.0
WNW	.4		.4									.7	4.5
NW		.4										.4	4.0
NNW	.7				.4							1.1	7.3
/ARBL													
CALM												20.4	
	41.2	27.4	4.7	3.2	.7	.4	.4					100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

279

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FL 1000, CALIFORNIA STATION NAME 73-79,61-82 YEAR JAN
MONTH 07
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1		.7								2.9	6.1
NNE	1.1	1.4		.7		.4						4.3	6.6
NE	5.7	4.7	.7	.7	.4							12.2	4.7
NNE	1.4	2.3	.7									13.3	3.1
E	1.6	9.2	1.1	.7	.4							26.2	3.6
ESE	5.7	4.3	.4									10.4	3.5
SE	3.4	1.4	1.4	.4								7.2	4.2
SSE	1.4	.7										2.2	2.5
S	.7	1.1	.4									2.2	4.2
SSW		.4										.4	4.0
SW	.4	.4										.7	3.5
WSW	.4	.4										.7	3.0
W	.4			.4								.7	7.5
WNW	.7	.4	.4									1.4	5.3
NW	.4											.4	3.0
NNW	.4											.4	3.0
VARBL													
CALM												14.0	
	44.5	24.8	5.6	3.1	.7	.4						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 279

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4111 STATION NAME EL TORO, CALIFORNIA YEARS 73-79, 81-82 MONTH JAN
CLASS ALL WEATHER DAY 10
ORIGIN MONTH (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7											.7	2.0
NNE		.4		.4	.4	.4						1.4	15.3
NE		.4	.4	1.4	.4							2.5	12.1
ENE		.4	.4	.7								1.4	10.6
E	2.2	1.4	.7	.7								5.4	4.9
ESE	.4	1.4	2.5	.4	.4							5.4	7.9
SE	2.2	2.2	.7									6.4	4.3
SSE	2.2	3.7	1.1	.7								8.2	5.5
S	7.2	4.7	.4	.7								13.6	3.4
SSW	.4	.7	.4									3.4	2.8
SW	1.1	.4										1.4	2.5
WSW	2.2	.4										2.2	3.3
W	3.2	2.2	.7	.4								6.5	4.4
WNW	1.4	1.4	1.1		.4							5.2	5.5
NW	.4	.4	.4									1.1	6.0
NNW	.7	1.1		.4								2.2	5.3
VARL													
CALM												11.5	
	24.7	27.7	8.6	5.7	1.4	.4						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 279

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: FL TORO, CALIFORNIA YEAR: 73-79, 81-82 MONTH: JAN
STATION NAME: ALL WEATHER CLASS: 13
CONDITION: 13
HOURS (L.S.T.): 13

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	.4	.4	.4	.4							2.5	7.3
NNE	.4		1.1	.7	.4							1.5	9.9
NE		.7	.7	.4		.4						2.2	11.7
NNE		.4	.4	.7								1.4	7.3
E	.4	.4	1.1	.7								2.5	3.0
ESE	.4	1.1	1.1									1.5	6.3
SE	.4		1.4									1.8	7.4
SSE	1.1	1.4	3.2	.7	.4							7.2	8.1
S	1.1	1.4	1.4	1.1								5.4	6.9
SSW	1.1	2.5										3.6	3.9
SW	1.1	2.2	1.4									5.4	4.9
WSW	2.9	6.4	2.2	.4	.4							12.5	5.7
W	7.4	12.5	3.9	.4	1.1							25.4	5.4
WNW	5.4	4.3	1.1									10.5	3.7
NW	1.1	3.9										5.7	3.9
NNW	.7	.7			.4							1.8	7.0
VARBL													
CALM												6.8	
	25.2	39.4	10.4	5.4	2.9	.4						100.5	5.5

TOTAL NUMBER OF OBSERVATIONS 279

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
07101

STATION NAME
EL TORO, CALIFORNIA

YEARS
73-79, 81-82

MONTH
JAN

CLASS
ALL WEATHER

NUMBER
16

INCHES (U.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4			.7								2.2	6.3
NNE	.7			1.4								2.2	9.2
NE	.7	.7	.4	.4	.4		.4					2.2	10.5
NNE	.4	.4		.4								1.1	6.0
E	.4	1.1	2.2									3.4	7.1
ESE			.7	.7								1.4	11.3
SE		.4	1.1	.7								2.2	9.5
SSE	1.4	1.4	2.2									6.1	5.6
S	.7	2.2	3.2	.7								9.7	5.6
SSW	.7	1.4	.4									2.4	5.0
SW	1.4	1.1	1.4									4.3	5.9
WSW	2.2	5.7	5.7	.4								13.3	6.2
W	4.7	21.7	4.7	2.9								33.7	5.7
WNW	1.4	2.2	1.1									5.7	4.6
NW	1.4	1.4	.4		.4							3.6	5.2
NNW	.7	.4	.4	.4								1.8	6.2
VARB.													
CALM												3.6	
	21.5	41.0	23.7	8.6	.7		.4					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

279

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

EL TORO, CALIFORNIA
STATION NAME

73-79,81-82
YEARS

JAN
MONTH

ALL WEATHER
CLASS

19
NUMBER (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.6	2.2	.4	.7								6.8	4.6
NNE	1.4	1.4				.4						3.6	5.8
NE	2.2	5.4	.4	.4		.4						6.6	5.4
NNE	4.3	4.3	1.1	.4								10.0	4.4
E	11.1	6.2	.7	.7								19.4	3.7
ESE	2.9	3.4	.7	.7								8.2	5.2
SE	2.2		.4	.4								2.9	4.0
SSE	1.0	.7		.4								2.9	4.5
S	.7	.4										1.1	2.7
SSW	.4	.4										.7	3.0
SW	.4											.4	2.0
WSW	1.4	1.1	.4	.7								3.6	6.3
W	1.1	.7										2.5	3.4
WNW	1.1		.4									1.4	3.8
NW	1.3	.7	.4									2.9	3.4
NNW	1.1	.4										1.4	2.8
VARBL													
CALM												23.7	
	34.4	18.3	4.7	4.3		.7						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

279

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
471 1

STATION NAME
EL TORO, CALIFORNIA

73-79,81-82

YEAR

MONTH
JAN

DATE

ALL WEATHER

CLASS

22

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.4	.4									1.1	4.7
NNE	1.4	1.7	1.1	1.1	.4							5.7	7.2
NE	1.2	5.7		1.4								9.3	5.7
ENE	5.1	5.4	1.1	.4								12.0	4.1
E	12.0	14.0	.4		.4							24.7	4.6
ESE	4.7	5.7	1.4									11.1	4.1
SE	1.4	1.4		.4								3.9	4.5
SSE	1.4	1.4	.4	.4								3.6	5.1
S	1.1	1.1	.7									2.9	4.4
SSW	.7	.4										1.1	3.0
SW		.4	.4									.7	6.5
WSW		.4										.4	4.0
W	1.1	.4										1.4	2.8
WNW	.4			.4								.7	6.0
NW	.4	.7										1.1	4.3
NNW	.7											.7	2.5
VARBL													
CALM												19.0	
	31.9	33.7	5.7	3.9	.7							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

279

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

EL PASO, CALIFORNIA

73-79, 81-82

YEAR

MONTH

ALL WEATHER

CLASS

ALL

NOV 80 (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	1.0	.0	.0	.3	.1							2.3	5.3
NNE	1.2	.0	.0	.6	.1	.1	.0					3.5	8.3
NE	2.4	3.2	.4	.7	.2	.1	.0					7.0	5.8
NNE	4.0	3.1	.4	.4								8.6	4.1
E	7.8	7.3	1.2	.4	.1							16.5	4.0
ESE	1.2	5.0	1.1	.3	.0							7.6	4.7
SE	2.2	1.4	.6	.2	.0							4.5	4.6
SSE	1.7	1.5	.0	.3	.0							4.5	5.5
S	2.1	1.5	.0	.3								4.7	4.6
SSW	.3	.0	.1									1.7	3.7
SW	.7	.4	.4	.0								1.7	5.1
WSW	1.1	2.0	1.0	.2	.0							4.7	5.7
W	2.4	4.7	1.3	.6	.1							9.1	5.4
WNW	1.4	1.2	.5	.1	.0							3.2	4.4
NW	.2	1.0	.1		.0							2.0	4.3
NNW	.7	.4	.1	.1	.1							1.3	5.1
VARIA													
CALM												16.2	
	34.4	37.0	9.8	4.6	1.0	.4	.1					100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

2231

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11-1 EL PASO, CALIFORNIA 73-12,81-82 YEAR 1981
STATION NAME MONTH
CLASS ALL WEATHER
ORIGIN

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0										2.0	5.2
NNE	0	0		0.4		0.4						2.0	7.0
NE	1.0	4.0	0.4	0.4								6.7	4.3
NNE	0	7.0		0.4								9.0	3.0
E	1.0	12.0	1.0	0.4								12.0	3.0
ESE	4.0	5.0	1.0									11.0	4.2
SE	0	2.0		0.4		0.4						5.0	5.0
SSE	0	2.0										2.0	4.1
S	1.0	0										2.0	2.7
SSW		0	0.4									0	5.0
SW	0											0	3.0
WSW	1.0		0.4									1.0	3.5
W	0	0										1.0	3.0
WNW	0	0										0	3.0
NW		0										0	4.0
NNW	0.4											0.4	1.0
VARB													
CALM												15.2	
	4.1	3.0	0	2.4		0						10.0	3.0

TOTAL NUMBER OF OBSERVATIONS 253

SWOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LL 7000, CALIFORNIA STATION NAME 73-79, 81-82 YEARS 1951-1952 PERIOD 04
CLASS ALL WEATHER MONTH 04
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	0.4	0.0									2.3	4.6
NNE	1.0	0.0	0.4				0.4					3.2	6.9
NNE	0.0	0.0	0.4	0.4	0.0							9.1	5.2
ENE	0.0	0.0	0.0									13.0	3.0
E	1.0	12.0	1.0									26.9	3.6
ESE	1.0	3.0	0.0									7.0	3.9
SE	0.0	2.0	0.4	0.4								6.7	4.1
SSE	0.0	0.0	1.0	0.0	0.4							5.0	5.7
S	0.0	0.0										1.2	3.3
SSW		0.0										0.0	4.0
SW		0.4										0.4	4.0
WSW													
W	0.4	0.4	0.4									1.2	4.7
WNW	0.4											0.4	1.0
NW													
NNW	0.0	0.4										1.2	2.7
VARBL													
CALM												19.4	
	41.0	37.4	5.5	1.6	1.2		0.4					100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 253

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1111 EL PASO, CALIFORNIA 73-79,81-82 YEAR 1973 MONTH 07
STATION NAME EL PASO, CALIFORNIA CLASS ALL WEATHER HOURS (L.S.T.) 07
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	0.0										2.4	2.3
NNE	0.0	0.0	0.4	0.4	1.2	0.4						7.1	7.8
NE	0.0	2.4		0.4								5.7	4.6
ENE	0.0	7.0	0.4									16.7	3.5
E	1.0	0.0	0.0	0.0								24.1	3.5
ESE	0.0	4.7	1.2									9.9	4.1
SE	0.0	2.4	0.4	0.4								4.7	5.5
SSE	2.0	0.0	0.4	0.4								4.0	4.7
S	2.0		0.0									2.4	2.7
SSW	0.0											0.4	3.0
SW	0.0		0.4									0.4	5.5
WSW	0.0											0.4	3.0
W	0.0	0.4										0.4	2.5
WNW	0.0											0.4	2.5
NW													
NNW	0.4	0.4										0.4	3.5
APBL													
CALM												19.0	
	42.7	24.7	4.7	2.5	1.2	0.4						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 253

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEARS 73-79, 81-82 PORTS FEZ
CLASS ALL WEATHER NUMBER (L.S.T.) 10
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.4	.4		.4							2.0	6.0
NNE	.4	.4		.8	.4							2.4	3.7
NE		.4	1.2	1.2								2.8	9.9
ENE	.4		.4	.8								1.6	9.8
E	.4	1.6	.4	.4								2.8	5.4
ESE	.4	1.2	2.0									4.7	6.7
SE	1.6	2.4	2.0	.4								7.1	6.1
SSE	4.3	2.4	1.6	.4								8.7	4.5
S	4.3	3.6	.8									8.7	3.8
SSW	2.0	1.6	.4		.4							4.3	5.2
SW	4.0	2.4			.4							6.7	3.6
WSW	1.6	.4										4.3	2.5
W	5.5	2.0	.8									8.3	3.3
WNW	4.3	1.6	.4									6.7	3.4
NW	1.2	.4										2.0	3.4
NNW	.4	.4										.4	4.5
VARS													
CALM												26.1	
	34.3	22.1	12.3	4.0	1.6							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 253

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEARS 73-79, 81-82 MONTHS FEB
STATION NAME CLASS ALL WEATHER MONTHS 13
LOCATION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.5		1.2								1.6	11.5
NNE	.4		1.2	.4								2.0	7.8
N E		.4	.4	.2								1.0	9.8
ENE	.4		.4	.4	.4							2.4	4.6
E		.4	.4									.4	6.5
ESE		.4	.2									1.2	6.3
SE	.4	.4	1.2	.8								2.8	8.1
SSE		1.2	1.2	1.2								4.0	8.7
S	1.6	7.9	1.6	1.6								12.6	5.8
SSW	1.2	2.8	1.2	.4	.4							5.5	6.2
SW	.4	1.2	1.6	2.0								5.5	8.2
WSW	2.4	3.6	4.7	.8								11.5	6.5
W	3.6	15.0	7.7	.8								27.3	5.7
WNW	1.2	5.5	2.0									10.7	4.7
NW	.4	1.6	.4									2.4	4.7
NNW		1.2	.4									1.6	5.3
VARA													
CALM												6.7	
	14.6	41.2	25.7	10.3	.8							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 253

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 EL TORO, CALIFORNIA STATION NAME 73-79,81-82 YEARS FEB MONTH 16

ALL WEATHER CLASS

CONNECTION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.4			.4								1.6	6.0
NNE		.4	1.6	.8								2.8	8.9
NE		1.2	.4	1.2	.4							3.6	9.9
NNE													
E													
ESE	1.2	.4	.4									2.0	3.6
SE		.4	.4	.4								2.0	8.4
SSE	.4	2.0	3.2									6.0	6.8
S	1.2	3.6	3.6	.4								8.7	6.3
SSW	.4	.4	1.6	.4								3.2	7.3
SW		.4	3.2									4.0	8.5
WSW	1.2	6.0	7.6	2.8								17.6	7.9
W	3.2	17.6	9.7	.8								29.6	5.3
WNW	2.8	7.6	2.8									12.3	5.0
NW	1.2	.4	.4									2.4	4.5
NNW			.4	.4								1.2	8.3
VAERL													
CALM												3.6	
	11.1	42.3	31.8	7.9	.4							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 253

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALAMO, CALIFORNIA YEAR 73-79, 81-82 FFP 19
STATION NAME ALL WEATHER CLASS 19
COORDINATE 36° 57' N 120° 54' W

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	.7	.1									6.7	3.6
NNE	2.5	.4	1.2	.4								4.7	5.0
NE	1.4	1.5		.8			.4					4.1	7.7
ENE	1.2	1.2	.6	1.2								7.4	5.3
E	1.2	4.2	1.0									11.0	4.1
ESE	4.0	1.6	.4									5.4	3.7
SE	1.6	.6	.4	.8								4.0	6.2
SSE	.7	2.0	.1									3.6	4.7
S	1.1	1.2										2.8	3.6
SSW	.4	.1										1.5	3.3
SW	1.1	1.0		.4								3.6	4.3
WSW	1.1	.4										2.4	3.3
W	3.1	1.4										5.1	3.1
WNW	1.2	1.4										4.1	3.3
NW	1.2	1.2	.4									4.7	3.3
NNW	1.2	.1										2.0	2.0
VARBL													
CALM												24.1	
	4.1	22.0	6.3	3.6			.4					100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 253

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

EL MONO, CALIFORNIA

73-79, 81-82

YEAR

PERIOD

ALL WEATHER

CLASS

22

BOUNDS (L & U)

CONDITION

SPEED (KNOTS) DIRE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7											1.6	2.3
NNE	4.7	.4	.4	.4	.4		.4					5.9	6.5
NE	1.7	2.9	.5	.4	.4	.4						7.5	6.0
NNE	1.2	5.1		.8								12.3	4.2
E	12.3	12.6	.8	.4								26.1	3.7
ESE	1.7	4.3	2.4	.4	.4							13.8	4.9
SE	2.4	2.4	.4	.4								5.5	4.4
SSE	.4	2.9		.4								2.8	5.9
S	.4	.4										1.2	3.0
SSW	1.7	.4		.4								2.6	4.5
SW		.4										.5	4.5
WSW													
W	.4	.4	.4									1.2	4.7
WNW	1.2											1.2	2.0
NW	.4											.4	3.0
NNW	.4											.5	2.5
VARB.													
CALM												17.3	
	41.1	31.2	5.1	3.6	1.2	.4	.4					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

253

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-79,81-82 YEAR FEB
 ALL WEATHER CLASS ALL
 CONDITION NOV 80 (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.0	.0	.0	.0							2.6	4.6
NNE	1.0	.0	.0	.0	.0	.1	.1					3.8	7.2
NE	2.0	1.0	.5	.7	.2	.0	.0					5.4	6.2
ENE	4.0	3.0	.0	.4	.0							6.0	4.1
E	4.0	6.5	.0	.3								15.6	3.8
ESE	1.0	2.7	1.3	.0	.0							7.1	4.5
SE	1.0	1.0	.0	.0		.0						4.7	5.7
SSE	1.0	1.0	1.0	.0	.0							4.7	5.8
S	1.0	2.3	.0	.0								5.0	4.7
SSW	.0	.0	.0	.1	.1							2.3	5.6
SW	.0	.0	.0	.0	.0							2.8	5.0
WSW	1.0	1.3	1.6	.4								4.6	6.3
W	2.0	4.7	2.3	.2								9.4	5.2
WNW	1.0	2.1	.7									4.7	4.2
NW	.0	.0	.1									1.0	3.8
NNW	.0	.0	.1	.0								1.1	4.1
VARBL												16.6	
CALM													
	33.6	51.6	12.7	4.5	.8	.2	.1					100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 2074

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME EL TORO CALIFORNIA YEAR 73-74 MONTH MAY
CLASS ALL WEATHER DAY 01
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	.6										1.7	2.7
NNE	7.1	.8	.6									3.9	4.2
NE	1.1	1.3	.7		.3							5.8	4.2
ENE	7.7	2.6	.7									10.6	2.9
E	13.2	12.9	1.1									27.4	3.6
ESE	4.8	4.7	.6	.6								10.3	4.1
SE	1.9	2.3	.6		.7							7.1	4.5
SSE	2.6	.6	.6	.3								4.5	4.5
S	1.9	1.6										3.5	3.3
SSW	.1	.3										1.7	3.0
SW		.4										.6	5.1
WSW	.7	.3										.7	4.5
W	.6	.3	.3									1.7	4.5
WNW		.7										.3	5.0
NW	.1											.6	2.5
NNW	.6											.6	2.0
VARB.													
CALM												20.0	
	44.3	28.7	4.1	1.0	.6							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 310

5106

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALBANY, CALIFORNIA YEARS 73-74 MONTH MAY
STATION NAME ALL WEATHER CLASS 04
CONDITION NOV 85 (L.S.C.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.0	.7	.3								2.3	5.7
NNE	2.3	1.6	.7									4.2	3.4
NE	2.6	1.3		.6	.3							4.9	5.2
ENE	4.1	3.1										11.7	3.1
E	14.4	9.1	1.7	.3								28.2	3.5
ESE	6.4	4.2	1.7									12.3	3.4
SE	5.6	1.7	.4									6.1	3.6
SSE	7.2	.3		.6								4.2	4.4
S	1.0	1.3	.7	.3								2.9	4.8
SSW		.7										.3	5.0
SW	.4											.6	1.5
WSW	.7	.3										1.0	3.3
W	.4	.3										1.0	3.3
WNW													
NW													
NNW	.4											.7	3.0
VARBL													
CALM												23.0	
	45.3	25.2	3.0	2.3	.3							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 101 EL MONO, CALIFORNIA 73-82 YEAR 44
STATION NAME MONTH
CLASS ALL WEATHER HOURS (L & T) 37
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	1.7											1.5	1.0
NNE	.7	.3			.3							1.3	6.6
NE	3.4	1.3		.3								5.0	7.4
NNE	13.0	2.7		.3		.7						14.2	3.7
E	14.4	4.7	1.3	.3								75.2	3.5
ESE	4.5	1.4	.6	.6								9.7	3.5
SE	4.4	2.6	.6	.3								8.4	4.0
SSE	3.2	1.0										4.2	3.1
S	1.6	1.0	.6	.3								3.5	4.1
SSW	.4	.6										1.3	3.3
SW	.7	.7	.7									1.0	5.7
WSW		.6	.6									1.3	6.5
W	.7											.3	2.0
WNW													
NW													
NNW													
VARBL													
CALM												23.1	
	47.4	21.3	4.7	2.3	.3	.7						100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 319

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11 FL 1100, CALIFORNIA STATION NAME 73-12 YEARS 44
 ALL WEATHER
 CLASS
 ORIGIN

MONTH 13
 HOUR (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.0	.7	.6								2.3	7.1
NNE			.7									.7	10.0
NE			.7	.6	.3							1.6	11.4
NNE	.7	.3	.7	.3								1.3	7.0
E		1.0										1.0	3.3
ESE	.7			.7								.6	8.5
SE	.7		.6	.6								1.6	8.6
SSE	1.3	2.0	2.0	1.0								8.7	7.7
S	2.3	3.0	3.0	1.3	.3	.6						11.4	7.9
SSW	1.0	3.0	2.7	1.0	.3							9.4	7.4
SW	1.7	2.3	3.0	.6								8.1	6.6
WSW	1.0	.0	1.0	1.0	.3							13.2	7.4
W	2.0	10.0	11.0	1.0	1.0							25.0	7.0
WNW	1.0	2.0	3.0									7.0	6.1
NW	.7	2.7	1.0		.3							3.0	6.9
NNW		.7	.3									.6	6.5
VARBL													
CALM												2.0	
	13.2	34.5	35.0	11.0	2.0	.6						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1111 EL TORO, CALIFORNIA 75-42 NAF
 STATION NAME CLASS YEARS MONTH
ALL WEATHER
 CLASS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-54	≥56	%	MEAN WIND SPEED
N			.5									.5	10.0
NNE				.3								.3	14.0
NE		.2	.3	.3								1.5	7.0
ENE		.2										.3	6.0
E		.1										.1	5.5
ESE		1.0	.2	.6								2.3	8.0
SE		.4	.4	.3								1.5	8.4
SSE	.1	1.0	1.4	1.3								5.2	7.4
S	1.4	2.0	5.5	1.0								11.3	6.9
SSW	1.0	2.3	4.7	.3								7.7	6.3
SW	1.0	2.0	4.0	1.0								10.2	6.3
WSW	1.0	1.5	4.4	2.0								10.7	7.6
W	.4	3.4	12.0	4.2	.4							29.7	7.6
WNW	1.0	2.3	1.3	.3	.3							5.5	6.2
NW	.4	1.4	.6									2.7	4.9
NNW		.2										.3	5.0
VARB													
CALM												2.4	
	11.7	30.1	41.0	13.5	1.0							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEAR	DATE
	ASHVILLE, CALIFORNIA	1960	10
WEATHER		10	
CLAS		10	
CONDITION		10	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.0
E	0.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	4.0
ESE	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.6
SE	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0
SSE	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0
S	0.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0
SSW	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0
SW	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0
WSW	0.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0
W	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	2.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
VARBL													
CALM													
	4.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 77-78 MONTH 22
STATION NAME ALL-WEATHER CLASS 22
LOCATION 22

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0											1.0	1.0
NNE	1.0	0.1		0.1								2.0	4.0
NE	2.0	2.0			0.1							5.0	4.0
NNE	0.1	2.0	0.1									11.0	3.1
E	1.0	11.0	1.0	0.1								25.0	1.0
ESE	4.0	4.0	0.1	0.1								16.0	3.7
SE	1.0	1.0	0.1									4.0	3.7
SSE	1.0	0.1	0.1	0.1								2.0	6.0
S	0.1	2.0	0.1									5.0	7.0
SSW	0.1	0.1										1.0	3.0
SW	0.1	0.1	0.1									1.0	6.0
WSW	0.1	0.1										1.0	7.0
W	1.0	0.1										1.0	7.4
WNW	1.0	0.1	0.1									2.0	4.0
NW	0.1											0.1	1.0
NNW	1.0											1.0	2.0
VARBL													
CALM												2.0	
	4.0	2.0	4.0	1.0	0.1							10.0	2.0

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11 300, CALLED NIA YEAR 73-74 MAG 40
STATION NAME ALL WEATHER CLASS ALL
CONDITION HOUSE 11 300

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.1	0.1	0.1	0.1								1.6	4.1
NNE	1.0	0.4	0.2	0.1	0.2							1.7	4.5
NRE	1.0	0.7	0.2	0.1	0.2							1.7	5.5
ENE	4.0	1.7	0.2	0.1		0.1						6.1	7.4
E	7.0	5.7	0.2	0.1								14.3	3.7
ESE	7.7	2.3	0.1	0.4								6.7	4.2
SE	7.0	1.0	0.1	0.5	0.6							5.2	5.2
SSE	0.7	1.7	1.7	0.6	2.1							5.4	5.6
S	7.0	2.7	1.7	0.4	0.2	0.1						7.0	5.4
SSW	7.7	1.7	0.1	0.3	0.6							3.4	5.5
SW	7.7	1.1	1.1	0.3								4.2	6.2
WSW	1.2	2.3	2.7	0.6	0.7							5.4	5.4
W	7.7	3.7	7.7	0.7	0.2	0.7						12.7	6.1
WNW	1.7	1.7	0.7	0.7	0.2							3.4	4.5
NW	0.1	0.1	0.7	0.1	0.7							1.7	4.9
NNW	0.7	0.2	0.1	0.2	0.2							0.9	4.1
VARBL													
CALM												15.0	
	37.1	17.4	10.1	4.8	0.8	0.7						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 2479

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 101 EL TORO, CALIFORNIA 73-72 YEAR 1 APR 31
STATION NAME EL TORO, CALIFORNIA MONTH 31
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	0.0										1.0	3.6
NNE	1.0	1.0		0.0		0.0						2.0	6.9
NE	0.0	1.0										1.0	2.6
NNE	0.0	2.0										11.0	2.7
E	1.0	1.0	0.0									27.0	3.4
ESE	0.0	4.0	0.0									12.0	3.4
SE	0.0	3.0										7.0	3.1
SSE	0.0	1.0	0.0									5.0	3.4
S	1.0	0.0										1.0	2.8
SSW	0.0	0.0	0.0									1.0	5.0
SW	0.0	0.0	0.0									1.0	5.0
WSW	0.0	0.0		0.0								1.0	5.3
W													
WNW	0.0	0.0			0.0							1.0	2.7
NW	0.0											0.0	3.0
NNW	0.0											0.0	2.0
VARB.													
CALM												19.0	
	4.0	7.0	2.0	0.0	0.0	0.0						100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 370

SMOR

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL YMO, CALIFORNIA YEAR 73-72 APC
STATION NAME ALL WEATHER DATA
CLASS 04
CONDITION 00000 LLST

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	1.7		0.7	0.3	0.3							2.0	3.2
NNE	1.7	1.7				0.1						3.0	4.9
NE	2.7	2.7										5.7	3.6
ENE	4.7	5.7										10.3	3.4
E	10.7	10.7	0.3									11.7	3.2
ESE	0.7	2.7										10.7	2.4
SE	1.7	0.3										5.7	3.2
SSE	2.7	0.7										3.0	2.4
S	1.7	0.7	0.7									1.7	3.4
SSW	0.7											0.7	3.0
SW		0.7	0.7									0.7	5.5
WSW	0.7	0.7										0.7	4.5
W	1.7			0.3								1.7	5.5
WNW	0.7											0.7	1.0
NW	0.7											0.3	1.0
NNW	0.7											0.3	1.0
VARBL													
CALM												22.0	
	4.7	7.7	1.7	0.7	0.3	0.3						110.7	2.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-02 YEAR APR
 CLASS ALL WEATHER MONTH 07
 CONDITION NOON (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0			.7								1.7	4.5
NNE	.7	.7		.7								1.7	5.3
N E	.7	.7	.7				.7					1.7	8.8
ENE	.7	2.0										4.7	2.9
E	1.0	6.3	.7									16.0	3.4
ESE	.7	6.7	.3									13.7	5.3
SE	.7	2.3	.7									6.7	3.8
SSE	.7	1.3		.7		.7						5.7	4.8
S	.7	1.0	.3									4.7	7.1
SSW	1.7	.7										2.3	2.7
SW	1.0											1.7	2.3
WSW	1.0	.7										2.0	3.2
W	.7	.7	.7									1.7	4.8
WNW	.7											.7	2.0
NW	.7											.7	2.0
NNW	1.0											1.0	1.7
VARBL													
CALM												17.0	
	37.3	31.3	2.7	1.0		.7	.3					100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11101 EL PASO, CALIFORNIA 77-10 APR
STATION NAME EL PASO YEAR 1977 MONTH 10
ALL WEATHER
CLASS ALL WEATHER
CONDITION ALL WEATHER

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7		1.7	0.3	0.7							3.6	7.6
NNE	0.7	0.7										0.7	3.0
NE	0.7				0.3							1.0	7.0
ENE	0.7											0.7	2.0
E	1.7	0.3	0.7									2.3	3.9
ESE	1.7	0.7	0.7									3.0	4.6
SE	0.7	0.3	0.7	0.7								5.0	4.6
SSE	0.7	0.7	1.0									1.3	4.6
S	0.7	0.0	3.7									14.3	4.6
SSW	0.7	0.3	1.0	0.3								7.7	4.0
SW	0.7	1.7	0.7									4.3	3.3
WSW	0.7	0.7	1.0		0.7							7.7	4.6
W	4.7	0.3	0.7	0.3								12.7	4.6
WNW	0.0	4.3										0.7	3.6
NW	0.7	1.0	0.7									3.7	4.0
NNW	1.0	1.0										2.7	3.1
VARBL													
CALM												10.0	
	31.7	10.3	13.7	1.7	1.0							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 FL 7550, CALIFORNIA STATION NAME 73-02 YEARS 10
MONTH 10
HOURS (L. & T.) 10
ALL WEATHER
CLAS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.1										.3	6.0
NNE	.4	.3										1.0	2.7
NE		.1	.3	.6	.2							1.0	1.7
ENE		.1		.2								.0	3.0
E	.1		1.1									1.0	4.2
ESE	1.0	1.3	1.3	.3								4.5	5.5
SE	.1	1.2	1.4	1.9								4.4	7.2
SSE	.1	3.6	2.0	.3	.3							10.0	5.9
S	4.2	5.5	2.3	.3								12.3	4.8
SSW	.1	1.3	.2									4.2	3.4
SW	2.0	.3	1.6									4.0	4.3
WSW	1.2	2.5	2.2	.6								6.7	5.1
W	4.5	5.5	1.3	.3		.2						11.0	6.8
WNW	1.0	1.6										5.0	2.9
NW	.3	.1		.1								2.2	4.5
NNW	1.0		.1		.3							2.0	5.0
VARBL													
CALM												15.1	
	31.0	27.4	15.0	9.5	1.0	.3						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL PASO, CALIFORNIA DATE 7-22 YEAR 1957
 STATION NAME EL PASO, CALIFORNIA MONTH 13
 CLASS ALL WEATHER HOUSE (L.S.V.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.7			.7							1.5	7.5
NNE			.7		.7	.7						.7	16.5
NE					.7							.3	19.0
ENE													
E		.7	.7									.7	6.5
ESE	.7			.7								.7	7.0
SE	1.7	1.3	1.0	.7								4.7	5.6
SSE	.7	.7	2.7	.3								4.7	7.2
S	1.7	1.3	5.7	1.7								11.7	7.5
SSW	1.0	1.3	1.7	2.7								6.0	7.9
SW	1.5	1.0	3.7	2.3								9.7	8.1
WSW	.7	4.7	5.7	3.7	.7							15.0	8.4
W	2.7	1.3	1.3	5.2	.3	.7						14.3	7.5
WNW	1.0	1.3	1.7									6.0	5.5
NW		1.0	.7									1.7	5.3
NNW													
VARBL													
CALM												4.7	
	11.7	21.3	41.7	13.7	1.7	.7						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

FL TOPPO, CALIFORNIA

STATION NAME

73-82

YEARS

EPF

MONTH

ALL WEATHER

CLASS

16

HOURS (L & P)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.3								.3	15.0
NNE					.3							.3	21.0
NE			.3									.3	10.0
ENE													
E	.3	.3	.3	.3								1.3	7.3
ESE		.3										.3	5.0
SE	.3	.3	.3	.3								1.3	6.0
SSE	.3	1.3	1.3	.7								4.3	7.3
S	.3	3.3	5.4									11.3	6.1
SSW	.3	2.3	3.3	.7								6.4	7.3
SW	.7	1.3	3.3	2.0								10.4	8.0
WSW	.7	5.7	8.7	2.7								17.7	7.9
W	1.3	12.7	15.1	4.7		.3						33.3	7.7
WNW	.7	4.3	2.7	.3								8.3	6.4
NW	1.3		.3									1.3	3.3
NNW			.3		.3							1.3	11.3
VARBL													
CALM												1.3	
	7.3	53.1	44.3	12.0	.7	.3						100.3	7.3

TOTAL NUMBER OF OBSERVATIONS

249

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 ALL TOPG, CALIFORNIA 72-50 APR
STATION NAME YEAR MONTH
ALL WEATHER
CLASS
CONDITION
19
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.5		.7								2.0	6.7
NNE					.5							.3	17.0
NE		.5			.5							1.0	9.0
ENE	.7	.7										1.0	3.3
E	1.7	1.0	.3									3.0	4.2
ESE	.7											.7	2.5
SE	1.7	1.3	1.7									4.0	4.7
SSE	1.0	.5	2.7									4.7	5.3
S	4.0	4.7	1.0									9.7	4.1
SSW	1.7	2.7	.7									4.7	4.3
SW	2.3	7.0	.3									5.7	4.1
WSW	7.0	7.7	1.7									16.0	3.9
W	1.0	5.7	1.0	1.7								12.7	3.9
WNW	4.0	1.7										5.7	2.7
NW	.7	1.7										4.0	3.0
NNW	.7	1.0										1.3	3.0
VARBL													
CALM												12.7	
	4.0	36.3	.7	1.7	.7							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL Y HO, CALIFORNIA YEAR 73-74 MONTH APR
CLIMATE ALL WEATHER MONTH 22
CONDITION POOR (L.S.Y.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.7										1.7	2.4
NNE	1.7	.7	.7	.3								2.7	5.3
NE	1.7	1.7	.7									4.7	3.2
ENE	4.7	2.7										6.7	3.1
E	1.7	7.7	.7									8.7	3.0
ESE	7.7	4.7	.7	.3								12.7	3.7
SE	.7	2.7	.7									3.7	5.7
SSE	.7	3.7	.7									4.7	4.7
S	1.7	1.7										3.7	3.4
SSW	1.7	1.7										3.7	3.6
SW	1.7	1.7										3.7	3.6
WSW	.7	.7										1.7	3.3
W	1.7	1.7										3.7	3.3
WNW	1.7	.7										2.7	3.3
NW												.7	3.3
NNW	.7											.7	3.3
VARBL													
CALM												24.7	
	4.7	24.7	1.7	.7								10.7	2.7

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NO. 111 STATION NAME EL PASO, CALIFORNIA YEARS 77-78 MONTH SEP
CLASS ALL WEATHER HOURS IN DAY ALL
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	15-17	18-20	21-23	24-26	27-30	31-33	34-36	37-40	41-43	44-46	47-50	≥51	%	MEAN WIND SPEED
N	.0	.0	.0	.3	.1												1.7	1.3
NNE	.0	.0	.1	.1	.1	.1											1.0	6.8
NE	1.0	.0	.1		.1		.0										2.0	4.0
ENE	.0	1.0															4.0	7.0
E	.0	.0	.0	.0													13.0	7.1
ESE	.0	2.0	.0	.1													6.0	3.0
SE	.1	2.0	.0	.0													4.0	4.2
SSE	1.0	2.1	1.0	.2		.0											5.0	8.0
S	.0	2.0	2.0	.2													7.1	8.1
SSW	.1	1.0	1.0	.4													2.0	5.6
SW	1.1	1.0	1.0	.5													4.0	6.3
WSW	1.0	2.0	2.0	.8	.1												7.0	6.3
W	.0	4.0	4.0	1.0	.0	.1											13.0	6.4
WNW	.0	1.0	.0	.0	.0												3.0	4.6
NW	.0	.0	.0		.0												1.0	3.6
NNW	.0	.0	.1		.0												.0	4.1
VARBL																		
CALM																	17.0	
	33.6	20.4	14.0	7.0	.6	.3	.0										100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 2379

SMOS

121
4
1

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL PASO, CALIFORNIA YEAR 77-82 MONTH MAY
STATION NAME ALL WEATHER CLASS 1
COORDINATE HOURS (L.S.T.) 01

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME EL TIJO, CALIFORNIA YEAR 73-74 MONTH MAY
 CLASS ALL WEATHER DAYS 04
 OBSERVATIONS 0000-1200 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N												1.0	2.7
NNE	1.0											1.0	2.7
NE	0.3											2.6	2.3
ENE	0.1	2.3										0.1	2.9
E	1.5	2.4	1.0									74.8	3.3
ESE	0.1	0.4	0.3									9.7	3.3
SE	0.2	2.3	0.3									5.0	3.3
SSE	0.2	1.0	1.0									7.1	3.5
S	0.2	1.0	0.4									6.6	3.4
SSW	1.0	1.0										2.3	3.3
SW	0.3	0.3										2.6	2.6
WSW	0.1											0.3	3.0
W	1.0	1.0										2.9	2.9
WNW	1.0	0.3										1.0	2.8
NW		0.1										0.3	5.0
NNW	0.1	0.3										1.0	2.3
VARBL													
CALM												22.0	
	4.7	7.2	3.7									100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 EL TORO, CALIFORNIA STATION NAME 73-42 YEAR MAY
 CLASS ALL WEATHER MONTH 07
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4											.4	1.5
NNE	.7	.3										.6	4.4
NE	1.0	.3										1.3	3.2
NNE	2.3	.3										2.6	2.5
E	5.2	3.9	.4									10.5	3.7
ESE	5.2	4.8	1.9									11.9	4.2
SE	3.7	4.8	1.6									10.0	4.0
SSE	6.4	2.9										9.7	2.9
S	4.4	2.3	.3									7.4	3.0
SSW	1.6	1.0										2.6	3.0
SW	.6		.3									1.3	5.5
WSW	1.0	.6	.3									2.9	3.1
W	3.5											3.5	2.1
WNW	1.0	.3										1.3	2.8
NW	1.6	1.3										2.9	3.6
NNW	1.6											1.6	2.0
VARBL													
CALM												27.4	
	42.3	22.0	5.5									100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

EL YOCO, CALIFORNIA

73-82

YEAR

MONTH

10

HOURS (L.S.T.)

ALL WEATHER

CLASS

OBSCUR

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.4	.7									1.0	3.4
NNE	.4											.6	2.0
NE	.7	.3	.3									1.0	5.0
NNE	.4											.6	2.0
E	1.0	.3										1.3	2.0
ESE	1.0	1.4	.3									2.9	4.1
SE	2.0	1.6	.6									5.2	3.7
SSE	2.0	4.2	1.0									8.7	4.9
S	2.2	4.5	3.6	.3								11.6	5.5
SSW	2.3	3.5	1.6									7.4	4.8
SW	3.3	4.2	1.6									9.4	4.3
WSW	2.2	2.9	.6									5.5	3.9
W	5.1	5.2	1.3									14.5	3.6
WNW	1.0	2.7	.6									7.4	3.8
NW	1.3	1.3										2.3	3.1
NNW	1.0	.6										1.6	3.4
YARBL													
CALM												17.1	
	34.5	13.2	12.8	.3								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-42 YEAR 44
MONTH 13
CLASS ALL WEATHER
CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7										.3	5.0
NNE													
NE													
ENE	.7											.3	3.1
E	.3											.3	3.0
ESE													
SE	.3	1.3										1.6	4.2
SSE	.1	2.6	2.9	.6								6.5	7.0
S	1.3	3.9	4.9	.6								10.6	6.8
SSW	1.3	1.3	3.2	2.3								8.7	7.6
SW	1.7	4.5	2.7	.6								9.5	6.3
WSW	.6	5.8	8.7	1.3								16.5	7.3
W	2.3	10.0	15.5	2.6								30.3	7.1
WNW	.6	3.9	6.8	.3								11.6	7.0
NW		.6										.9	4.0
NNW	.7	1.0										1.3	4.3
VARL													
CALM												2.3	
	9.4	35.2	44.0	8.4								100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOG



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA 73-42 YEARS MAY
STATION NAME ALL WEATHER MONTH 18
CLASS ALL WEATHER HOURS (L.S.T.)
LOCATION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-15	17-21	23-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
N													
NNE	.1											.3	3.0
E	.1											.3	3.0
ESE													
SE	.1	.4	.3	.3								1.6	7.2
SSE		1.1	2.6	.3								4.5	7.9
S	.3	4.2	5.5	1.0								12.0	6.6
SSW		2.4	3.1									6.1	7.0
SW	.3	1.1	3.2	.3								5.0	7.1
WSW	.3	5.3	12.7	2.9								21.6	7.9
W	1.0	12.3	20.0	.6								33.9	7.1
WNW	.3	2.0	4.2									9.7	6.2
NW	.1	1.3	1.0									3.0	5.6
NNW		.1										1.0	4.7
VARL													
CALM												.5	
	1.1	35.2	57.6	5.5								100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA DATE 13-82 MONTH MAY
STATION NAME EL TORO, CALIFORNIA CLAS ALL WEATHER MONTH 19
CLAS ALL WEATHER MONTH 19
CONDITION

SPEED (KTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NW													
ENE													
E	0.6	0.3	0.3									1.3	4.0
ESE	0.6	0.3										1.0	3.7
SE	0.6	1.7	0.3									2.6	4.7
SSE	0.7	5.2	1.7									6.9	5.1
S	3.2	13.2	3.2									20.3	5.1
SSW	1.2	4.2	0.7	0.3								7.4	4.7
SW	1.4	6.5	0.7									8.4	4.4
WSW	2.2	0.1	1.0									12.9	4.6
W	0.7	14.5	2.2									26.5	4.1
WNW	3.2	2.2										6.1	3.4
NW	1.2	1.4										2.6	3.0
NNW													
VARM													
CALM												3.9	
	27.1	50.4	9.4	0.3								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 FL TOPD, CALIFORNIA STATION NAME 73-12 YEARS MAY
DATE 22 MONTH NOV (L.S.T.)
ALL WEATHER
OBSERVATION

SPEED (KNTS) DIE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	0.7										1.6	2.4
NNE	1.0											1.0	2.4
NE	0.6	0.7										1.0	2.7
NNE	4.1	1.0										7.1	2.5
E	1.0	0.6	0.6									19.0	3.2
ESE	4.5	4.5	0.7	0.3								9.7	3.6
SE	2.3	2.1	0.6									5.0	4.1
SSE	2.3	4.5	1.0									7.7	4.6
S	4.2	3.2										7.4	3.2
SSW	1.0	1.0										2.3	3.4
SW	0.7	1.0										1.9	4.0
WSW	2.0	1.0	0.7									3.9	3.4
W	2.0	2.3										4.0	3.1
WNW	1.0	0.6										1.9	2.8
NW	0.7											0.3	3.0
NNW	0.7											0.6	2.5
VALE													
CALM												23.2	
	44.5	24.0	2.7	0.3								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 73-82 MONTH MAY
STATION NAME CLASS ALL WEATHER
CONDITION ALL
HOURS (LST) ALL

SPEED (KNTS) DLE	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥56	%	MEAN WIND SPEED
N	.0	.2	.0									.0	1.0
NNE	.0	.2										.0	2.0
NE	.0	.2	.0									1.0	2.9
NNE	2.0	.7										3.3	2.8
E	.0	.4	3.0	.4								9.8	1.3
ESE	2.0	2.1	.4	.0								5.5	3.7
SE	2.0	2.5	.6	.0								5.1	4.1
SSE	.1	3.5	1.4	.1								7.3	4.7
S	.3	4.7	2.7	.2								10.5	5.0
SSW	1.4	2.1	1.1	.3								4.9	5.3
SW	1.4	2.4	1.1	.1								5.7	5.0
WSW	1.0	3.1	3.0	.5								6.3	6.1
W	3.4	5.0	4.9	.4								14.9	5.5
WNW	1.7	1.9	1.5	.0								5.1	5.0
NW	.0	.0	.1									1.5	3.9
NNW	.0	.4										.9	3.3
VARB													
CALM												15.4	
	32.4	33.6	16.8	1.9								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 2480

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 73-74 MONTH JUN
STATION NAME CLASS ALL WEATHER DAY 01
OBSERVATION HOUR (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7											1.3	2.0
NNE	1.0			.7								1.3	5.8
NE	1.7											1.3	2.6
NNE	.7	.7										3.3	2.5
E	1.7	7.7	.7									2.0	3.2
ESE	.7	1.7	.7	.7								8.0	3.5
SE	.7	7.7	.7									7.0	3.4
SSE	.7	1.7	.7									1.7	4.2
S	.7	4.0	.7									7.0	3.8
SSW	.7	1.7										2.0	4.2
SW	.7	.7										1.0	4.0
WSW	.7	.7										1.0	3.3
W	4.0	.7										4.7	2.6
WNW	1.7	.7										2.0	2.2
NW	1.7											1.7	2.0
NNW	.7	1.7										3.0	3.3
VARB.													
CALM												32.3	
	42.3	22.3	2.3	.7								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 370

2808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FL 1000, CALIFORNIA YEARS 73-82 MONTH JUN
STATION NAME ALL WEATHER CLASS 04
CONDITION 04
HOURS (L.S.T.)

SPEED (KNOTS) (KLT)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7											.7	1.5
NNE	.7											.7	2.0
N45E	.7			.3								2.3	4.0
ENE	.7	1.0										8.0	2.4
E	17.0	6.0										21.0	3.2
ESE	.7	2.7	.3									9.0	3.3
SE	1.7	3.7	.3									5.7	4.2
SSE	4.7	.3	.3									4.7	2.7
S	7.7	2.7										5.3	3.1
SSW	1.7	.7										2.0	3.5
SW	.7											.7	2.0
WSW	.7	.3										.7	2.5
W	1.0	.7										1.7	3.0
WNW	1.7	.3										1.7	2.2
NW	1.7	.3										1.7	2.0
NNW	.0											2.0	2.0
VARBL													
CALM												35.0	
	42.7	21.7	1.0	.3								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION IL 1080, CALIFORNIA DATE 13-12 YEAR 1957 MONTH JUN
STATION NAME IL 1080, CALIFORNIA CLAS 07
ALL WEATHER
CLAS
OBSERVATION

SPEED (KNTS) D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	0.3										1.7	2.2
NNE	0.3	0.3										2.3	2.3
NE	0.3	0.7		0.7								1.7	6.7
ENE	1.7	0.7										1.7	2.6
E	4.7	7.7	0.7									7.7	7.3
ESE	7.7	7.7	0.7									6.7	4.3
SE	0.7	0.7	0.7									1.7	3.7
SSE	0.7	2.7	1.7									7.7	3.7
S	0.7	1.7	0.7	0.7								0.7	3.6
SSW	0.7	0.7										2.7	3.3
SW	1.7											1.7	1.0
WSW	0.7	0.7										1.7	2.7
W	4.7	7.7										5.7	2.3
WNW	0.7	1.7										4.7	2.8
NW	0.7	0.7										2.7	2.9
NNW	0.7	1.7										1.7	3.4
VARB													
CALM													
	3.7	1.7	2.7	0.7								10.0	2.1

TOTAL NUMBER OF OBSERVATIONS 300

BMC'S

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 73-82 MONTH JUN
STATION NAME ALL WEATHER CLASS 17
CONDITION 17
HOURS (LST) 17

SPEED (KNTS) FNR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	0.7										2.0	3.3
NNE	0.7											0.7	3.0
NE			0.7									0.7	9.0
NNE													
E	0.7	0.7										1.0	2.3
ESE	1.0											1.0	2.7
SE	0.7	1.0	0.7									2.0	5.2
SSE	0.7	2.0		0.7								6.3	3.7
S	0.7	4.0	0.7	0.3								4.7	4.1
SSW	0.7	2.0	0.7	0.3								4.7	4.1
SW	0.7	2.0	0.7									6.7	3.3
WSW	0.7	4.0	1.0									11.0	4.1
W	2.0	1.0	2.0									19.7	4.4
WNW	4.0	5.0	1.0									11.0	4.3
NW	1.0	5.0	0.7									7.3	4.5
NNW	1.0	1.0		0.3								3.3	4.5
VARBL													
CALM												14.3	
	34.7	40.3	4.0	1.0								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1101
STATION

EL TORO, CALIFORNIA
STATION NAME

73-62
YEARS

JUN
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE				.7								.3	13.0
NE													
ENE													
E													
ESE			.7									.3	17.0
SE		.7	.7									1.3	7.5
SSE	.7	.7	.7									1.3	4.8
S	.3	2.0	3.3									5.7	6.7
SSW	.3	3.0	1.0									4.3	5.7
SW		1.0	.7									1.7	6.4
WSW	1.0	2.3	3.3	1.0								10.7	7.2
W	2.3	11.0	2.7	2.3	.3							42.7	7.5
WNW	1.0	3.0	12.3	1.0								19.7	7.1
NW		4.7	3.3	.7								8.7	6.8
NNW		.7	.7									1.3	7.0
VARBL													
CALM												2.0	
	6.7	21.0	55.7	5.3	.3							120.0	7.0

TOTAL NUMBER OF OBSERVATIONS

300

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL YORO, CALIFORNIA YEAR 73-82 MONTH JUN
 ALL WEATHER
 CLAS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			.3									.3	8.0
NNE													
NE	.3											.3	3.0
NNE			.3									.3	8.0
E													
ESE	.3	.3										.7	3.5
SE		.3	.3									.7	7.3
SSE	.3	.3	.7									1.7	5.8
S		3.3	4.7	.3								8.3	7.3
SSW	.3	.3	1.3									2.0	6.7
SW	1.0	.3	1.7									3.3	6.0
WSW	1.0	3.3	8.3	.3								13.0	7.1
W	1.3	14.3	26.3	1.0								44.7	7.1
WNW		7.7	11.3									19.0	7.0
NW	.3	1.0	1.7	.3								3.7	6.9
NNW		.3	.7									1.0	6.0
VARS													
CALM												1.0	
	5.3	34.3	57.7	2.0								100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-92 YEARS JUN
 CLASS ALL WEATHER MONTH 19
 DIRECTION 19 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7											.3	2.0
NNE				.5								.3	13.0
NE													
NNE	.7											.3	3.0
E	.7											.7	3.0
ESE													
SE		.7	.7									1.3	6.0
SSE	1.7	2.7	1.0									4.3	5.2
S	1.3	1.7	3.3	.3								11.7	5.7
SSW		2.7	1.7									3.7	5.9
SW		1.7										1.3	5.3
WSW	1.7	3.7	3.7									8.3	5.8
W	7.7	11.7	5.3									43.0	5.0
WNW	.7	12.7	.7									18.3	4.2
NW	1.0	2.7	.3	.3								4.3	4.8
NNW													
VARBL													
CALM												2.3	
	10.0	63.7	15.7	1.0								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-42 YEARS JUN
ALL WEATHER MONTH 22
 CLASS 22
 CONDITION 22
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.3			.3								.7	7.0
NE	.7	.3										1.0	3.3
ENE	2.0	.7										2.7	2.9
E	11.7	2.7	.3									14.7	2.6
ESE	3.0	1.3	.3									4.7	3.2
SE	3.3	4.3	.3									7.0	4.1
SSE	2.7	2.7	1.3									6.7	4.4
S	2.3	4.3										6.7	3.5
SSW	2.7	1.3										4.0	3.2
SW	.7	.7										1.4	3.0
WSW	.3	.3										3.7	2.8
W	.3	1.0										7.3	2.6
WNW	.3	.7										6.0	2.6
NW	.0	.3										2.3	2.3
NNW	1.0	.7										1.7	3.2
VARBL													
CALM												29.7	
	47.3	21.3	2.3	.3								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 300

2808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4101
STATION

EL TORO, CALIFORNIA
STATION NAME

73-82
YEAR

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

COORDINATE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.1	.0									.8	2.6
NNE	.5	.0		.2								.7	4.7
NE	.4	.1	.0	.1								.8	4.3
NNE	1.2	.3	.0									1.9	2.7
E	1.4	2.7	.1									6.2	3.0
ESE	2.3	1.1	.3	.0								3.7	3.6
SE	1.4	2.0	.5									4.1	4.2
SSE	.1	1.5	.7	.0								4.2	4.0
S	2.4	3.7	1.5	.2								7.9	4.8
SSW	1.1	1.5	.5	.0								3.2	4.6
SW	.7	.9	.4									2.0	4.4
WSW	1.1	1.9	2.5	.2								6.2	5.7
W	4.2	8.8	7.6	.4	.0							21.1	5.6
WNW	2.7	4.2	3.2	.1								10.2	5.3
NW	1.1	1.0	.7	.2								3.9	5.0
NNW	.0	.7	.0	.0								1.7	4.0
VARIABLE													
CALM												19.3	
	29.4	31.5	12.2	1.5	.0							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 2400

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

EL TORO, CALIFORNIA

73-82

JUL

ALL WEATHER

01

MOON (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	.3										1.9	2.5
NNE													
NE	.3											.3	1.0
NNE	1.3	.3										1.6	2.6
E	1.5	7.1	.3									21.9	3.1
ESE	4.4	3.0	.3									9.0	3.6
SE	1.2	1.3	.6									5.2	3.3
SSE	7.6	1.6										4.2	3.2
S	3.2	1.2	.3									5.5	3.5
SSW	.3	.6										1.0	3.0
SW		1.0										1.0	4.0
WSW	.6											.6	3.0
W	2.6											2.6	2.4
WNW	3.6	1.0										4.5	2.6
NW	.6											.6	1.5
NNW	2.6	.3										2.7	2.3
VARBL													
CALM												37.1	
	41.9	19.4	1.6									100.0	1.9

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 73-72 MONTH JUL
STATION NAME EL TORO, CALIFORNIA CLASS ALL WEATHER HOURS (L.S.T.) 04
CONDITIONS

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	2-6	%	MEAN WIND SPEED
N	0.3											2.3	2.4
NNE	0.3	0.3										1.0	3.7
NNE	0.3	0.3										0.6	3.5
NNE	0.3	0.3										4.5	2.2
E	10.5	7.4	0.3									23.2	3.2
ESE	1.7	3.2	0.3									6.0	3.6
SE	1.0	1.0										3.5	3.5
SSE	1.7	1.6	0.3									3.2	3.7
S	1.0	2.6	0.3									4.0	3.5
SSW	1.0											1.0	2.3
SW	1.0	0.3										1.0	2.3
WSW	0.3											0.6	2.5
W	3.3	0.3										3.0	2.2
WNW	2.0	0.3										3.2	2.3
NW	2.3	0.3										2.6	2.6
NNW	1.0	0.3										2.3	2.6
VARBL													
CALM												35.2	
	44.2	10.4	1.3									100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TONO, CALIFORNIA STATION NAME 73-A2 YEARS JUL
MONTH 07
CLASS ALL WEATHER
COUNTRY

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	.6										1.0	3.3
NNE	1.0											1.0	2.3
NE	.5	.3										.6	3.5
NNE	1.6	.6										2.3	3.0
E	3.9	3.2	.3									7.4	3.4
ESE	5.2	3.2	.3									6.8	3.5
SE	1.7	3.2	.3									5.5	4.3
SSE	4.5	2.3	.3									7.1	3.3
S	7.1	2.3										9.4	2.9
SSW	2.2	.3										3.2	2.1
SW	2.6											2.6	1.8
WSW	.3											.3	2.0
W	2.9	.3										3.2	2.3
WWW	4.2	1.3										5.5	2.8
NW	1.7	1.7	.3									3.9	3.3
NNW	1.7	1.7										2.3	3.3
VARBL													
CALM												38.1	
	41.0	20.3	1.6									100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FL 1000, CALIFORNIA STATION NAME 73-42 YEARS JUL
MONTH 10
HOURS (L.S.T.)
CLASS ALL WEATHER
ORIGIN

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.7	0.7	0.7									1.0	4.7
NNE												0.3	4.0
NW		0.7										0.6	4.0
ENE												0.6	2.0
E	0.7		0.7									2.0	2.4
ESE	0.7											3.9	5.0
SE	0.7	0.7										8.4	4.6
SSE	1.0	1.0	1.0									5.5	3.9
S	1.0	3.5	1.0									6.8	4.1
SSW	0.7	0.7										10.6	3.4
SW	0.7	0.7	0.7									26.8	4.1
WSW	0.7	0.7	0.7									14.5	4.4
W	0.7	0.7	0.7									4.6	3.5
WNW	0.7	0.7	0.7									1.9	3.5
NW	0.7	0.7											
NNW	0.7	0.7											
VARBL												11.6	
CAIM													
	3.1	4.3	0.1									100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 310

BMOB

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-82 YEAR JUL
 CLASS ALL WEATHER MONTH 13
 NUMBER (L.S.T.)

SPEED (KNTS) DNL	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
M		.3	.3									.6	6.0
NE			.3									.3	7.0
E		.3										.3	6.0
SE				.3								.3	16.0
S		1.0	2.6	.3								3.2	8.3
SW	.3	1.3	2.6	.6								5.2	7.4
W			1.3	.3								1.3	8.5
WW		.3	.5									1.3	7.0
W		2.6	5.2	1.0								9.7	7.5
WW		10.1	35.2	2.6								48.4	7.8
WW	1.0	6.1	16.1	1.0								24.8	7.2
NW		1.3	1.3									2.6	7.4
NNW		.3	.3									1.0	6.0
VARIABLE													
CALM												.3	
	2.6	24.3	66.8	6.1								100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 310

SMC

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 EL TORO, CALIFORNIA STATION NAME 73-82 YEARS JUL
 CLASS ALL WEATHER MONTH 16
 CONDITION 16
 HOURS (L.S.T.)

SPEED (KNTS) DIRE.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			2.7									0.3	8.0
NNE													
N E													
N E													
E													
ESE													
SE													
SSE	0.7	1.0	1.0	0.3								3.0	7.6
S		1.0	2.3	0.3								4.2	7.9
SSW		1.0	1.0	0.3								2.6	7.3
SW		1.0	1.0									1.7	5.7
WSW	0.7	4.0	5.5	0.3								10.3	7.1
W	0.7	10.1	20.1	1.0								46.3	7.1
WNW		0.4	14.2	1.9								24.5	7.4
NW	0.7	1.0	2.6									4.2	6.5
NNW	0.7	0.3	0.3									1.0	5.3
VARBL													
CALM												0.0	
	2.3	35.2	57.7	4.0								100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-02 YEAR 19
 ALL WEATHER CLASS 19
 MONTH JUL
 DATE 19
 POSITION 19

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-32	34-40	41-47	48-56	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE			1.6	.7								2.3	7.7
SSE		1.6	3.2									5.7	6.4
S	1.6	5.2	1.9	.3								10.0	5.2
SSW	1.6	1.9	1.0									3.9	5.4
SW		.6										.6	5.0
WSW	.3	5.2	.3									6.5	5.1
W	6.4	35.2	4.5									46.5	4.8
WNW	5.5	12.9	.3									18.7	4.3
NW	1.6	1.9										2.9	4.2
NNW	.6	.3	.7									1.3	4.5
VARB													
CALM												2.3	
	17.1	60.8	13.2	.6								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 310

5108

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 EL TORO, CALIFORNIA 73-42 JUL
STATION NAME ALL WEATHER 22
CLASS BOUO (L.S.T.)
ORIGIN

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0											1.0	2.4
NNE	1.0											1.0	2.0
NW	1.0											1.0	2.0
ENE		1.0										1.0	4.5
E	1.0	2.0										10.0	3.1
ESE	1.0	1.0										4.2	2.8
SE	1.0	2.0	1.0									7.4	3.7
SSE	1.0	4.0	1.0									6.5	4.3
S	1.0	1.0										5.0	3.1
SSW	2.0	1.0										3.2	2.2
SW	1.0	1.0										1.6	2.8
WSW	1.0	1.0										1.6	2.0
W	11.0	1.0										12.3	2.3
WNW	1.0	1.0										6.1	2.4
NW	2.0	1.0										4.2	3.0
NNW	1.0	1.0										1.6	3.0
VARB													
CALM												27.4	
	45.7	21.0	1.0									100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 310

8108

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEARS 73-72 MONTH JUL
STATION NAME EL TORO, CALIFORNIA CLASS ALL WEATHER MONTH JUL
PRECEDENCE ALL
NOVEMBER 1972

SPEED (KNOTS) DML	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.2	.1									1.1	3.3
NNE	.2	.1										.3	2.9
NE	.2	.1	.1									.3	3.5
NNE	.2	.2										1.1	2.6
E	.2	2.0	.2									7.9	3.2
ESE	1.2	1.2	.1									3.4	3.4
SE	1.7	1.2	.4	.1								3.3	4.1
SSE	1.2	1.2	1.2	.1								4.7	5.0
S	2.2	2.2	1.1	.2								7.1	4.5
SSW	1.2	1.2	.4	.1								2.7	4.2
SW	.2	1.2	.2									2.1	3.9
WSW	1.2	2.1	1.5	.2								5.0	5.5
W	4.7	3.4	3.7	.4								23.7	5.8
WW	2.7	2.2	4.0	.4								13.0	5.4
NW	1.2	1.2	.2									3.3	4.3
NNW	1.1	.2	.1									1.8	3.4
VARS													
CALM												19.0	
	20.5	11.2	12.0	1.4								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 2480

8803

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-#2 YEARS 1961
MONTH 01
DAY 01
HOUR (L.S.T.) 01
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.5											2.3	1.9
NNE	1.0											1.0	2.0
NB	1.0											1.0	1.3
NNE	0.2	0.4										3.9	2.3
E	11.0	6.5										18.4	2.9
ESE	4.2	1.0	0.6									6.8	3.6
SE	2.0	2.3	0.6									5.9	3.6
SSE	1.0	1.6	1.0									3.9	4.7
S	2.0	1.6	0.3									4.8	3.3
SSW	0.2	0.2										1.3	3.5
SW	1.0											1.0	1.7
WSW	0.2											0.3	2.0
W	0.2	0.5	0.3									3.9	2.8
WNW	1.0	1.3										2.9	2.9
NW	0.3	0.3										2.4	2.8
NNW	0.3											2.3	2.3
VARBL													
CALM												78.4	
	41.3	17.4	2.0									100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 73-82 MONTH AUG
STATION NAME EL TORO YEAR 73-82 MONTH AUG
ALL WEATHER ALL WEATHER MONTH AUG
CLAS CLAS MONTH AUG
UNITAGE UNITAGE MONTH AUG

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	.3										1.6	2.0
NNE	.3											.3	2.0
NE	2.6	1.6	.3									4.5	3.1
ENE	4.2	2.9										7.1	3.3
E	12.6	7.1	.6									20.3	3.3
ESE	7.9	1.0	.7									5.2	3.0
SE	1.7	2.6										3.6	4.5
SSE	1.9	2.3	.3									4.5	3.4
S	1.0	.3										1.3	2.3
SSW	.4											.3	2.0
SW	.2	.6										1.0	4.0
WSW	1.6											1.6	1.6
W	1.7	.6										1.9	2.8
WNW	2.3	.3										2.6	2.1
NW	1.6											1.6	2.0
NNW	1.6											1.6	2.6
VARB													
CALM												41.0	
	37.7	19.7	1.6									100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-92 YEARS AUG
 CLASS ALL WEATHER MONTH 07
 CORRECTION MOUSE (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.3										2.3	3.0
NNE													
NE	1.0	.6										1.6	3.0
ENE	2.0	.3										2.3	2.4
E	.1	3.2	.3									11.6	3.1
ESE	.3	1.6										3.9	3.0
SE	4.2	1.3	.3									5.8	2.9
SSE	.4	.6	.3									4.8	2.7
S	.1	1.6	.3									6.1	2.4
SSW	1.3	.6										1.7	2.3
SW	.4											.6	2.0
WSW	1.3	.3										1.6	3.2
W	.3	2.3										4.5	3.4
WNW	3.2	.3										3.9	2.4
NW	1.3	.6										2.6	2.6
NNW	1.2	1.6										3.5	3.0
VARBL													
CALM												40.3	
	41.0	16.5	1.3									100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 310

BWOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-82 YEARS AUG
ALL WEATHER CLASS 10
 MONTH 10
 HOUSE (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0											1.0	1.7
NNE		.3										.3	6.0
NE	.3											.3	3.0
NNE													
E	.6											.6	2.0
ESE	1.0	.4										1.4	3.4
SE	1.4	1.0										2.4	3.0
SESE	2.4	1.3	1.0	.3								5.0	4.9
S	5.5	3.2	1.0	.3								10.0	4.2
SSW	1.7	4.5	.3									6.5	4.1
SW	1.7	1.6	.3									5.2	3.4
WSW	.3	3.2	1.3									6.8	4.5
W	4.1	11.9	1.0									21.0	4.1
WWW	7.1	7.7	1.3									16.1	4.0
NW	1.2	2.6										5.8	3.4
NNW	1.9	.6	.3									2.9	3.1
VARIABLE													
CALM												13.9	
	40.3	38.7	6.5	.6								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-82 YEAR 1971 MONTH 13
CLASS ALL WEATHER COORDINATE 36° 00' N 121° 00' W

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
N-E													
NNE												.3	7.0
S													
SSE												.3	3.0
SE												1.3	8.3
SSE												1.9	6.7
S												4.5	7.1
SSW												2.8	5.3
SW												1.9	8.0
WSW												13.9	8.2
W												48.1	7.8
WNW												20.0	7.7
NW												3.2	7.6
NNW												.3	8.0
VARBL													
CALM												1.3	
	4.2	24.5	60.0	10.0								100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME EL TOPO, CALIFORNIA YEARS 73-82 MONTH AUG
 CLASS ALL WEATHER MONTH 16
 CONDITION

SPEED (KNOTS) DIRE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
NNE													
E													
ESE													
SE		.6										.6	5.0
SSE	.7	1.7	1.9	.3								3.5	7.2
S	.6	2.6	2.6	.3								6.1	6.2
SSW	.7	.6	1.0									1.9	6.0
SW		1.7	1.3									2.3	6.9
WSW	.3	1.7	5.8	.6								8.7	7.7
W	.3	14.8	37.7	4.5								57.6	7.7
WNW	.3	7.4	6.5									14.2	6.4
NW	.3	1.6	1.6									3.5	6.6
NNW		.6	.3									1.0	6.0
VARL													
CALM												.6	
	2.6	32.3	58.7	5.8								100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-92 YEARS AUG
MONTH 19
HOURS (L.S.T.)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE												2.7	4.0
NE													
NNE													
E													
ESE	0.7	0.3										0.5	4.0
SE	0.7	0.6	1.0									2.3	5.4
SSE	0.7	1.0	1.0									3.0	6.0
S	1.0	5.5	2.0									9.4	5.3
SSW	0.6	1.0	0.3									1.9	4.3
SW		1.0	0.3									1.6	5.2
WSW	1.0	6.1	1.3									9.4	5.0
W	17.3	33.0	5.2									51.3	4.6
WNW	2.0	7.1	1.0									11.6	4.4
NW	1.0	1.0	0.3	0.3								4.2	4.2
NNW		1.0	0.7									1.3	6.0
VARS													
CALM												2.4	
	22.4	61.0	17.0	0.3								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 04101 STATION NAME EL TOPO, CALIFORNIA YEAR 73-82 MONTH AUG
 CLASS ALL WEATHER DAY 22
 CONDITION _____

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.9	.3										3.2	2.3
NNE	.3											.3	1.0
NE	2.9	.6										3.5	2.9
NNE	1.0											1.0	2.0
E	7.1	3.2										10.3	3.1
ESE	3.2	3.5	.3									7.1	4.0
SE	1.3	2.3										3.6	3.8
SSE	1.6	1.9										3.5	3.7
S	2.3	2.0	1.0									6.1	4.4
SSW	1.3	.6										1.9	3.2
SW	.3	.3										1.0	3.3
WSW	3.5	.6										4.1	2.6
W	7.7	2.9	.3									11.0	3.0
WNW	3.5	.6	.6									4.7	3.5
NW	2.6	.6										3.2	2.6
NNW	1.3	1.0										2.3	2.7
VARIABLE													
CALM												32.7	
	43.2	21.6	2.3									100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 310

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 1942 MONTH AUG
STATION NAME CLASS ALL HOURS (L.S.T.)
OBSERVATION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.2										1.3	2.3
NNE	.2	.1										.3	2.7
NH	1.0	.4	.1									1.4	2.9
NNE	1.0	.7	.1									1.4	2.9
E	1.0	2.0	.1									7.7	3.1
ESE	1.0	1.1	.2									3.2	3.5
SE	1.0	1.4	.7	.1								3.1	4.0
SSE	1.0	1.4	.7	.1								3.2	4.7
S	2.0	2.5	1.1	.2								6.3	4.5
SSW	.7	1.2	.2									2.4	4.2
SW	.0	.4	.4	.1								1.4	4.6
WSW	1.0	2.0	1.7	.4								5.4	6.0
W	4.4	2.4	4.5	1.0								24.4	6.0
WNW	2.2	3.5	3.1	.2								9.5	5.3
NW	1.7	1.1	.4	.1								3.3	4.1
NNW	1.1	.1	.2									1.9	3.4
VARB													
CALM												21.4	
	20.2	29.0	10.3	2.1								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 2480

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA DATE 73-92 MONTH SEP
STATION NAME EL TORO, CALIFORNIA YEAR 73-92 MONTH 01
CLASS ALL WEATHER HOURS (L.S.T.) 01
CONDITION

SPEED (KTS; DIAL)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.0	.3										3.3	2.2
NNE	1.7	.7	.3									2.3	3.4
NE	3.3											3.3	2.2
NNE	6.1	2.0										8.0	2.8
E	13.0	8.0	.7									21.7	3.2
ESE	3.3	1.3	.7									5.3	3.3
SE	3.0	1.7										4.7	3.1
SSE	1.0	.7	1.0									2.7	4.9
S	1.0	2.0										5.0	3.3
SSW	.7											.3	1.0
SW	.7											.3	1.0
WSW	.7											.3	1.0
W	2.7	1.0										3.7	2.7
WNW	1.7	.7										2.3	2.6
NW	2.7											2.7	1.5
NNW	1.7	.7										2.3	2.7
VARIABLE													
CALM												32.0	
	46.3	19.0	5.7									100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

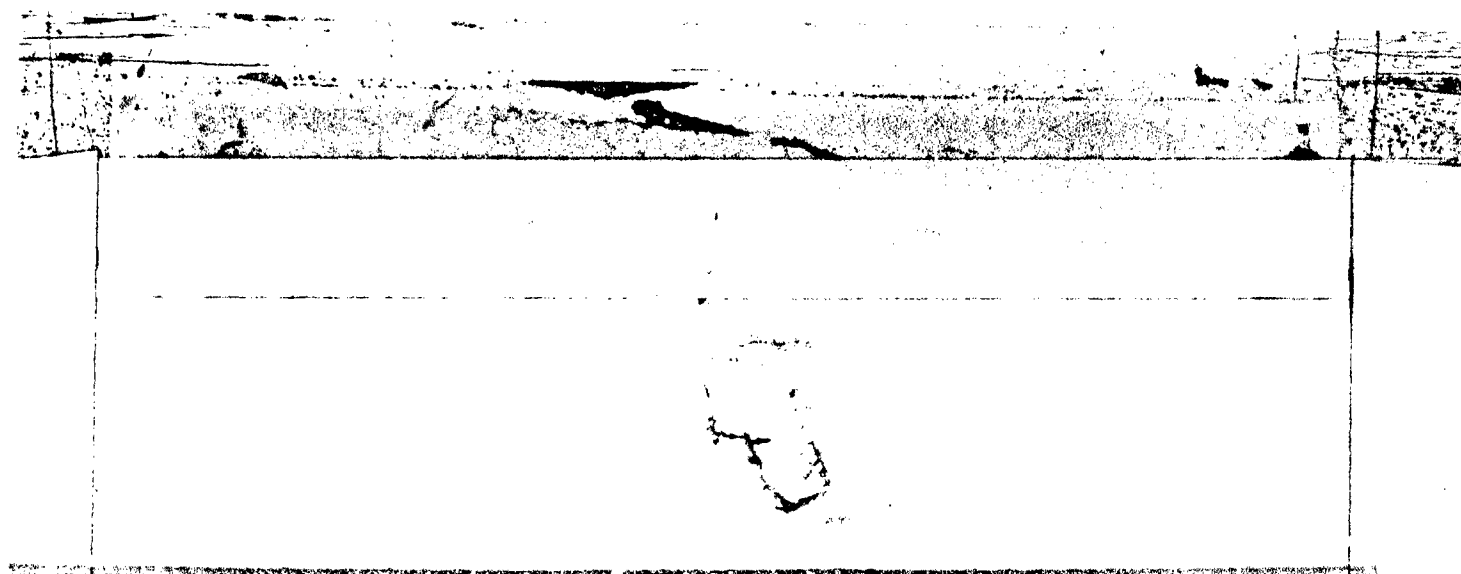
SURFACE WINDS

STATION 12101 EL TORO, CALIFORNIA 73-92 SEP
STATION NAME YEARS MONTH
ALL WEATHER 09
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNOTS) DUE	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-54	≥56	%	MEAN WIND SPEED
N	2.3	0.7										2.7	2.8
NNE	1.7	0.3	0.7									2.3	3.3
NE	3.7	1.7		0.7								5.0	4.1
NNE	0.7	4.0										10.7	2.8
E	0.7	2.0	0.3									16.3	3.2
ESE	4.0	0.7	0.7									5.3	3.1
SE	1.7	2.0										3.7	3.5
SSE	1.7	2.0										3.3	3.9
S	1.7	0.7	0.7									2.3	3.9
SSW	0.7											0.7	1.5
SW		0.7										0.7	4.5
WSW	0.7	0.3										0.7	3.5
W	0.3	0.3										2.7	2.8
WNW	1.7	0.7										0.0	2.7
NW	1.7	0.7										1.7	2.6
NNW	1.7	1.7										2.3	3.1
VARBL													
CALM												37.7	
	38.0	22.0	1.7	0.7								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

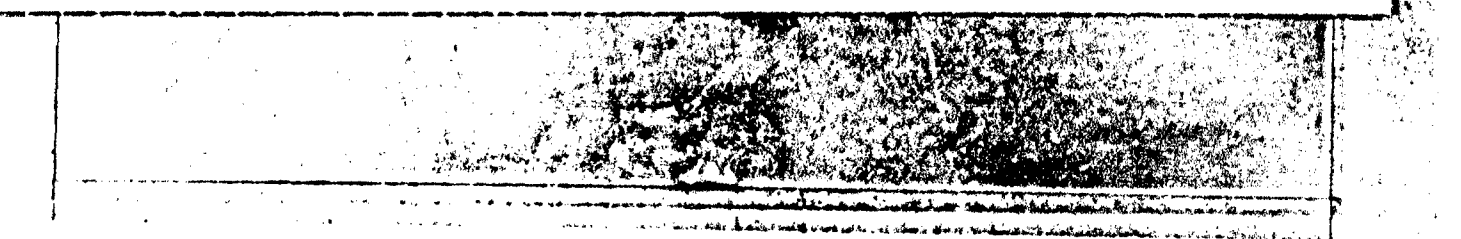
SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 73-74 MONTH SEP
STATION NAME ALL WEATHER DAY 07
CLAS
DIRECTION

SPEED (KNOTS) DIL	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥64	%	MEAN WIND SPEED
N	1.3	.7										2.0	2.5
NNE	.7	.7			.7							2.0	8.3
NE	.7	1.3	.7									2.7	4.6
NNE	4.3	.7										5.0	2.5
E	6.0	6.3	.3									11.7	3.5
ESE	2.7	3.0	.3									6.0	3.5
SE	4.3	2.7	.3									7.0	3.0
SSE	1.3	1.3										4.3	2.6
S	1.3	1.3										2.7	3.5
SEW	1.3	.3										2.0	2.2
SW	.7											.7	1.5
WSW	.7	.3										.7	4.0
W	1.3											1.3	2.3
WNW	1.3	.7										3.0	2.8
NW	1.3	.3										1.7	2.2
NNW	1.3			.3								3.3	2.5
VARS													
CALM												44.0	
	34.3	17.7	1.7	.3	.7							100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 500

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 1952 MONTH SEP
STATION NAME EL TORO, CALIFORNIA CLAS ALL WEATHER MONTH 10
ORIGIN CLAS MONTH 10
ORIGIN CLAS MONTH 10
ORIGIN CLAS MONTH 10

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.1			0.3								0.7	7.0
NNE		0.1		0.3								0.7	9.5
NE					0.3							0.3	10.0
NNE	2.1											0.3	1.0
E	0.1	0.7	0.4									1.3	5.0
ESE	0.1	0.3	0.3									1.0	4.7
SE	0.1	1.0										1.7	3.6
SSE	0.1	3.0	1.0									7.0	4.0
S	0.1	5.0	1.0									10.7	4.0
SSW	0.1	1.0	0.3									5.3	3.3
SW	0.1	1.0										2.3	2.6
WSW	0.1	2.3	0.3									5.7	3.5
W	0.1	1.0	2.3									34.0	4.1
WWW	0.1	4.0	0.7									14.1	3.7
NW	0.1	5.0	0.3									9.3	3.6
NNW	0.1	0.7										2.0	3.0
VARBL													
CALM												13.7	
	31.0	10.3	7.0	0.7	0.3							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 300

ENCLOSURE

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 101 EL TORO, CALIFORNIA STATION NAME 73-#2 YEARS SEP
MONTH 17
MOVES (L S T) 17

ALL WEATHER
CLAS
ORIENTATION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N				0.3								0.3	11.0
NNE	0.7											0.7	3.0
NE													
NNE			0.7	0.3								0.7	9.5
E	0.7	0.3	0.7									1.0	5.0
ESE													
SE													
SSE		1.0	0.7									1.7	6.6
S	0.7	1.0	1.0	0.3								3.7	6.7
SEW	1.0	2.3	1.0									5.4	5.3
SW	0.7	1.0	1.0	1.7								4.7	6.9
WSW	1.0	4.3	7.4	2.0								15.1	7.6
W	2.3	12.0	26.1	2.7								43.1	7.2
WWW	1.0	5.0	12.0									18.1	7.1
NW	0.7	2.0	1.7									4.0	6.2
NNW		0.7										0.3	6.0
VARS													
CALM	X	X	X	X	X	X	X	X	X	X	X	2.0	
	1.7	30.1	52.4	6.4								100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FL TOPO, CALIFORNIA STATION NAME 73-42 YEARS SEP
MONTH 18
HOURS (L.S.T.)

ALL WEATHER
CLASS
OBSERVING

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 36	%	MEAN WIND SPEED
N			.7									.7	10.0
NNE													
NE			.7									.7	9.0
NNE			.7									.7	8.0
E													
ESE													
SE		.7	.7									1.3	6.3
ESE		1.7	.7									2.0	6.0
S	1.7	2.0	2.3	1.3								7.3	6.9
SSW		1.7	.7									2.0	6.7
SW	.7	1.3	.7	.7								3.0	7.4
WSW	.7	3.7	12.3	1.3								16.7	7.4
W	1.7	10.7	25.7	1.0								47.7	7.0
WNW	.7	6.7	2.3	.3								11.3	5.5
NW	.7	1.7	1.7									2.7	5.4
NNW	.7	.7										1.0	3.7
VARBL													
CALM												2.7	
	6.7	38.7	47.3	4.7								100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 73-72 MONTH SEP
STATION NAME EL TORO, CALIFORNIA CLASS ALL WEATHER HOURS (L.S.T.) 19
ORIGIN ALL WEATHER

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-54	≥54	%	MEAN WIND SPEED
N												.7	3.5
NNE												.7	2.0
NE												.3	9.0
NNE	1.7			.3								2.0	4.5
E			.3									1.7	3.8
ESE		1.0										1.3	3.5
SE		.3		.7								2.7	7.3
SSE		2.3	.7	.3								4.0	6.2
S	1.0	4.7	1.7									6.7	4.5
SSW	.7	.7										1.3	3.3
SW	1.0											1.7	2.8
WSW	.3	4.3	.7									8.0	4.0
W	2.0	13.7	1.3									34.7	3.4
WNW	.3	.7										13.3	3.3
NW	1.0	1.3										4.3	2.4
NNW	.3	.3										2.7	2.5
VARBL													
CALM												12.0	
	44.7	34.3	5.7	1.3								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1101 STATION FL TORO, CALIFORNIA 73-82 YEARS SEP MONTH 22
CLASS ALL WEATHER
OBSERVATION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	.7										3.0	2.4
NNE	1.7	.3										1.7	2.4
NE	2.3											2.3	2.6
NNE	3.7	1.7		.3								5.7	3.4
E	10.0	5.3										15.3	3.0
ESE	3.7	2.7	.3									6.7	3.4
SE	1.7	1.7	.3									2.3	4.0
SSE	2.3	2.7	.7									5.7	3.9
S	1.7	2.7										3.7	3.7
SSW	.3	1.0										1.3	4.5
SW	1.7											1.0	2.7
WSW	1.7	1.7	.3									2.3	4.0
W	6.3	1.3										7.7	2.3
WNW	2.3	.7										4.0	2.5
NW	1.7	.3										1.3	2.5
NNW	1.7	.3										2.0	2.3
VARBL													
CALM												34.7	
	43.0	21.0	1.7	.3								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7101 STATION NAME EL TORO, CALIFORNIA YEAR 73-72 MONTH SEP
CLASS ALL WEATHER DATE ALL
REMARKS HOUSE (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.3	.1	.1								1.6	3.2
NNE	.4	.3	.1	.0	.1							1.2	4.5
NE	1.2	.3	.2	.1	.0							1.8	4.1
NNE	2.0	1.1	.1	.1								4.1	3.1
E	4.0	3.5	.1									8.6	3.3
ESE	1.0	1.1	.3									3.2	3.0
SE	1.4	1.2	.3	.1								2.9	3.9
SSE	1.2	1.0	.6	.0								3.8	4.4
S	2.1	2.3	.7	.2								5.5	4.7
SSW	1.1	.7	.3									2.3	4.1
SW	.6	.6	.3	.2								1.7	5.1
WSW	1.3	2.7	2.6	.4								6.3	6.2
W	5.7	7.5	6.9	.5								20.0	5.4
WWW	1.4	3.2	1.9	.0								8.5	4.6
NW	1.7	1.4	.4									3.5	3.6
NNW	1.5	.5		.0								2.0	2.8
YARRL													
CALM												22.3	
	32.7	28.1	15.0	1.8	.1							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2399

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: EL TORO, CALIFORNIA YEAR: 73-82 MONTH: OCT
 STATION NAME: ALL WEATHER CLASS: 01
 CONDITION: 01
 SOURCE (L.S.T.): 01

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7											1.3	2.6
NNE	.5	1.0										1.5	4.0
NE	1.0	1.3	.6	.6								4.5	5.4
NNE	1.1	2.6	.3									13.3	2.8
E	1.5	9.4	.3									27.3	3.1
ESE	.4	1.6										7.5	2.5
SE	2.2	.3										3.2	2.4
SSE	1.7											1.2	2.8
S	.7	.5	.3									1.3	4.5
SSW	.3											.3	3.0
SW		.7										.3	4.0
WSW													
W	1.2	.3										2.3	2.6
WNW	1.0											1.0	2.3
NW	.7											.3	2.0
NNW	1.4											1.6	1.2
YARL													
CALM												32.4	
	47.1	17.9	1.4	.6								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 308

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-42 YEARS 1951 MONTH 04
 CLASS ALL WEATHER
 ORIGINATOR

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥56	%	MEAN WIND SPEED
N	1.0	1.3		.3								2.6	4.8
NNE	1.5	.6		.3								2.6	4.1
NE	6.5	2.9	.6		.3							10.4	3.8
NNE	7.5	2.9		.3								10.7	3.3
E	11.0	10.7	.3									22.1	3.7
ESE	2.9	1.3										4.2	3.0
SE	1.9	.3										2.6	2.6
SSE	1.6	1.3										2.9	3.1
S	.6	1.0										1.6	3.2
SSW		.3										.7	4.0
SW	1.0											1.0	2.0
WSW	.3			.3								.6	6.5
W	.3	.3	.3									1.0	5.3
WW	.6	.6										1.1	3.3
NW	.3											.3	2.0
NNW	.6											.6	2.5
VA													
CALM												35.1	
	38.0	24.0	1.3	1.3	.3							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 308

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07101 STATION NAME EL TORO, CALIFORNIA YEARS 73-72 OCT
MONTH 07
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.3										1.0	2.3
NNE	1.0	.3		.6								1.9	6.0
N E	3.2	1.4	.3	1.0	.3							6.8	5.4
ENE	7.5	2.9										10.4	2.8
E	14.0	9.1	1.0									23.1	3.1
ESE	3.6	2.6										6.2	3.7
SE	1.7	1.3										2.3	3.9
SSE	.2											3.2	2.1
S	1.7	.3	.6									2.3	3.7
SSW	1.7											1.3	1.8
SW	.7											.3	1.0
WSW	.7											.3	2.0
W	.6	.6										1.3	3.0
WNW	.7											.6	2.0
NW	.3	.3										.6	3.5
NNW			.7									.3	8.0
VARB.													
CALM												37.0	
	39.9	18.8	2.7	1.6	.3							100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 308

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 101 STATION NAME EL TORO, CALIFORNIA YEAR 73-82 MONTH OCT
ALL WEATHER CLASS 10
REMARKS (L.S.T.)

SPEED (KNT) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥56	%	MEAN WIND SPEED
N	.6		.3									1.0	4.3
NNE	.6			1.6	.6							2.9	12.6
NE				.6		.3						1.0	17.3
NNE	1.7		.6	1.7								2.6	7.8
E	1.7	.6	.3									2.3	3.6
ESE	1.0	.3	.3									1.6	3.8
SE	1.7	2.3	.6	.3								4.5	5.3
SSE	.6	2.9	.6									4.2	4.6
S	3.6	3.9	1.6									9.1	4.4
SSW	3.2	1.7										5.2	3.0
SW	.6	1.7										1.6	3.6
WSW	2.3	2.6	.3									5.2	4.0
W	10.7	8.1	1.3	.3								20.4	3.7
WNW	4.2	6.5	.3									11.7	3.7
NW	2.9	2.3	.3									5.5	3.6
NNW	1.6	.6										2.3	2.7
VARL													
CALM												16.3	
	34.4	33.1	6.8	3.9	.6	.3						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 308

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07101 EL TORO, CALIFORNIA 73-87 OCT
STATION NAME YEARS MONTH
CLASS ALL WEATHER
13
MOON (L.P.V.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7		.2	.7								1.3	8.8
NNE			.2			.3						.7	17.0
NE				1.0								1.0	12.3
NNE				.7								.7	12.5
E	.7											.3	2.0
ESE		.7	.3									.7	6.5
SE		.7	.7									1.3	6.5
SSE	.7	.7	.7									2.3	5.5
S	1.3	1.3	.7									3.3	8.9
SSW		.7	1.0	.7								3.7	7.2
SW	1.0	1.4	1.6									4.2	5.7
WSW	.3	3.8	4.5	3.3								15.7	8.4
W	.0	14.1	14.0	3.3								38.2	7.3
WNW	1.3	10.5	6.5									18.3	6.1
NW	.7	2.8	.7									2.2	5.3
NNW		1.0	.3									1.3	6.0
VARBL													
CALM												4.2	
	7.5	27.2	40.5	2.2		.3						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 306

BMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA 73-82 OCT
STATION NAME YEAR MONTH
ALL WEATHER
CLASS
16
NUMBER (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.3			.3								.6	7.0
NNE			.6	.6		.3						1.6	14.2
NE	.3		.3	.3								1.2	8.7
NNE		.6										.6	5.5
E		.3										.3	5.0
ESE			.3									.3	7.0
SE					.3							.3	22.0
SSE		.3	1.0									1.3	8.3
S		2.7	2.0									5.0	6.8
SSW	.3	1.6	.3	.3								2.6	5.9
SW		.6	2.9									3.6	8.1
WSW	1.7	5.2	10.4	.3		.3						17.2	7.4
W	2.6	26.7	16.6	1.0								47.1	6.2
WWW	2.3	8.4	2.3									13.3	5.1
NW	1.0	1.2	.6									3.6	4.5
NNW													
VARBL													
CALM												.6	
	7.8	49.6	38.3	2.0		1.7						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 378

5806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FL TOPO, CALIFORNIA STATION NAME 73-92 YEARS OCT
ALL WEATHER MONTH 19
 CLASS DOUB (L.S.T.)
 CONDITION

SPEED (KNTS) DIRE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.3	1.0		0.3								3.6	3.9
NNE	1.1	1.6	0.3									3.2	3.9
NE	1.1	1.6	0.3	0.3	0.3							4.2	5.9
NNE	0.3	1.6										3.9	3.0
E	2.0	2.0	0.3	0.3								6.6	4.3
ESE	1.0	1.0	0.3									2.9	3.4
SE	0.3	1.0										1.3	5.3
SSE	0.3	1.0										1.8	3.0
S	0.2	1.0	0.3	0.3								5.2	3.9
SSW		0.3										0.3	4.0
SW	0.3											1.0	1.0
WSW	0.3	1.0	0.3									5.6	3.3
W	1.0	5.0	0.3	0.2								16.5	3.2
WNW	0.3											4.9	2.2
NW	0.2	0.3	0.3									4.2	3.1
NNW	1.0	1.0	0.3									3.2	3.8
VARB													
CALM												29.5	
	43.7	21.4	3.0	1.6	0.3							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 308

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
1101

STATION NAME
EL TORO, CALIFORNIA

YEAR
73-72

MONTH
OCT

ALL WEATHER

27

NOV 1973

SPEED (KNOTS) DNL	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	254	%	MEAN WIND SPEED
N	1.0	1.0	.7									2.3	4.4
NNE	.3		.6	.6								1.6	9.2
NE	3.2	1.6		.3	.3							5.5	4.6
NNE	2.1	3.2										12.3	2.9
E	10.4	8.8	.3									19.5	3.4
ESE	4.5	3.2	.3									8.1	3.4
SE	1.9	1.6	.3									3.9	3.3
ESE	.6	1.6										2.3	4.4
S	1.0	1.6										2.6	3.8
SEW	.3											.3	1.0
SW	.6											.6	3.0
WSW	1.7											1.0	2.7
W	1.6	.6										2.3	3.4
WSW	1.7	.3	.3									1.2	3.2
NW	.3											.3	2.0
NNW	1.7											1.3	2.0
VARL													
CALM												34.1	
	32.6	23.7	2.3	1.0	.3							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS

308

5108

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FL 1001 FL 1001, CALIFORNIA STATION NAME 73-R2 YEARS OCT
 CLASS ALL WEATHER MONTH OCT
 CONDITION ALL HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	.4	.1	.2								1.8	4.4
NNE	.7	.4	.2	.5	.1	.1						2.0	7.8
NE	1.1	1.2	.7	.6	.2	.0						4.3	6.5
NNE	4.7	1.4	.1	.2								6.8	3.3
E	7.4	1.1	.7	.7								12.7	3.4
ESE	2.4	1.3	.7									3.9	3.3
SE	1.2	1.0	.7	.5		.7						2.4	4.2
SSE	1.1	1.0	.7									2.4	4.0
S	1.4	1.4	.7	.7								3.9	4.7
SSW	.7	.4	.2	.1								1.0	4.5
SW	.7	.4	.4	.4								1.6	5.2
WSW	1.2	1.5	2.5	.5		.7						5.7	6.7
W	4.7	7.1	4.7	.5								16.4	5.6
WNW	1.1	3.2	1.2									6.6	4.7
NW	1.1	.7	.7									2.2	3.9
NNW	.7	.3	.2									1.3	3.3
VARBL													
CALM												24.0	
	32.3	24.3	12.1	2.8	.2	.2						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2462

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-82 YEARS NOV
 DATE 01 MONTH NOV YEAR 1957
 ALL WEATHER
 CLASS
 LOCATION

SPEED (KNOTS) DIAL	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	0.7										1.7	2.6
NNE	2.7	1.0	1.0	0.3								5.0	4.5
NE	4.7	2.7		0.7								8.0	4.0
NNE	9.7	6.7	1.7									18.7	3.6
E	14.7	12.7	1.7									28.3	3.7
ESE	4.0	1.3	0.3									8.7	3.6
SE	2.3	1.7	0.3									4.3	3.9
SSE	1.7	0.7										2.7	3.0
S	0.7	0.3										0.7	4.0
SEW	1.0											1.0	1.7
SW	0.7		0.7									0.7	5.5
WSW													
W	0.7	0.3		0.3								1.3	5.3
WNW	0.7		0.7									0.7	5.0
NW	0.7											0.7	1.5
NNW	0.7	0.3										0.7	3.0
VARB													
CALM												18.0	
	44.3	31.3	5.0	1.3								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 370

SMO

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL YAGO, CALIFORNIA STATION NAME 73-12 YEARS NOV
 ALL WEATHER 04
 CLAS NOV
 MONTH 04
 MONTH (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0										2.0	3.0
NNE	1.0	0.7			0.3	0.7						4.7	5.1
NE	1.0	2.7	0.7	0.7		0.7						11.3	4.0
ENE	0.7	2.0	2.0	0.7	0.3							10.7	4.4
E	0.7	1.0	0.7									23.3	3.9
ESE	0.7	4.7	0.7									11.4	3.6
SE	0.7	0.7	0.7									4.3	3.0
SSE	0.7	1.0										1.3	4.0
S	1.0		0.7									1.7	3.0
SSW				0.7								0.3	13.0
SW	0.7											0.3	2.0
WSW													
W													
WNW													
NW	0.7		0.7									0.7	5.0
NNW	0.7											0.7	2.5
VARBL													
CALM												21.7	
	41.7	30.7	0.7	1.0	0.7	0.7						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-52 YEAR NOV
STATION 07 MONTH 07 DAY 07
ALL WEATHER
CLAS
SQUAD (L.S.V.)

SPEED (KNTS) DIR.	0-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3											1.3	2.0
NNE	2.0	1.0		.3		.3	.3					4.0	7.5
NE	4.7	2.3	.7		.3							7.7	4.1
NNE	11.3	6.0					.3					17.7	3.6
E	10.3	11.7	.3	.3								27.7	3.4
ESE	6.0	7.7	.3									10.0	3.4
SE	2.0	.3										2.3	2.9
SSE	1.3	.3	.3									2.3	4.0
S	1.3	.7										2.0	3.3
SSW													
SW				.3								.3	16.0
WSW													
W	1.3	.7										1.7	3.8
WNW													
NW													
NNW	1.3											1.0	2.3
VARBL												2.3	
CALM													
	47.0	26.7	1.7	1.0	.3	.3	.7					100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
97101

STATION NAME
EL TORO, CALIFORNIA

YEAR
73-72

MONTH
NOV

ALL WEATHER

CLASS

10

NOV (L.S.T.)

ORIGIN

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	0.3		0.7								3.7	4.7
NNE	0.7		1.0									1.3	7.3
NE			0.7	0.7		0.7						1.7	13.0
ENE		0.7	0.3	0.3	0.7							1.7	12.0
E													
ESE	0.7	1.0	0.7									2.3	4.7
SE	1.7	1.3	1.3									3.7	5.3
SSE	2.7	0.7	2.7	0.3								8.3	5.6
S	6.7	4.0	1.7									12.3	3.7
SSW	3.7	1.0	0.3									4.7	3.1
SW	1.7	1.3										3.0	2.9
WSW	4.3	1.0	0.7									5.7	2.6
W	2.0	5.0	0.7	0.7								13.3	3.9
WNW	1.0	3.7	0.3									9.0	3.3
NW	4.7	0.7										5.3	2.5
NNW	1.0	0.7										1.7	2.6
VARBL													
CALM												22.3	
	40.7	23.3	10.0	2.7	0.7	0.3						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

300

8008

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
7101

EL TORO, CALIFORNIA

73-82

NOV

ALL WEATHER

13

NOV 82 (L.S.T.)

SPEED (KNOTS) DIRE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.3		.3								.7	7.5
NNE		.3	1.0	.7	.3							2.3	11.0
NE				1.0		.3						1.3	16.0
NNE	.3		.7									1.0	6.7
E		.7										.7	5.0
ENE			.3									.3	8.0
E	.5	.3	.7									1.3	6.3
ESE	.7	.3	.3	1.0	.3							2.7	9.6
S	.3	2.7	2.0	.3								5.0	7.0
SEW	1.7	2.7	2.7	.3								7.4	5.8
EW		1.7	1.3	.3								3.3	7.0
WEW	1.7	4.0	6.0	.3	.3	.3						12.0	7.4
W	3.0	15.1	10.0	1.0								29.1	6.0
WWW	2.7	11.7	5.7									20.1	5.7
NW	1.7	3.3	1.0									6.0	4.7
NNW	.7	.3	1.0	.3								2.3	5.9
VARIABLE													
CALM												4.3	
	12.4	43.1	32.4	5.7	1.0	.7						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93111
STATION

EL TORO, CALIFORNIA
STATION NAME

73-82
YEARS

NOV
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7		.3								1.0	7.3
NNE	.7	.3		1.3								2.0	10.5
N E		.7	1.7	1.0		.3						3.0	11.1
ENE	.7	.3		.3								1.0	7.0
E	.7	.7		.3								1.3	6.0
ESE			.7									.7	7.0
SE	.7	.3										.7	3.5
SSE	.3	1.3	1.3	.3								3.3	6.9
S		4.0	2.0									6.0	6.2
SSW	.7	1.0	.7	.3								2.3	6.7
SW	.7	2.3	1.3									4.0	6.1
WSW	.7	.7	3.0	.3								10.3	6.4
W	6.0	19.7	11.3	1.7	.3							39.0	5.8
WNW	.3	10.7	2.7									16.3	4.9
NW	1.7	2.0	.3									4.0	4.0
NNW	1.7	.7										2.0	2.7
VARBL													
CALM												3.0	
	14.7	51.0	24.7	6.0	.3	.7						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

300

ENCLOSURE

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA DATE 73-82 MONTH NOV
 CLASS ALL WEATHER
 COMMENTS

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	.3									4.3	3.6
NNE	1.0	.7	.3	.7		.3						5.0	5.5
NE	4.3	.7	.7	1.0	.3							7.0	5.5
NNE	9.7	1.7	.7									11.3	2.7
E	4.7	5.3	1.0									18.0	3.7
ESE	2.3	2.0	.3									4.7	3.7
SE	1.7	1.0	.3									3.0	3.7
SSE	.7	1.7										2.3	4.0
S	1.3											1.3	1.6
SSW	1.0											1.0	1.7
SW	.7											.7	2.0
WSW	1.7	.3										2.0	2.7
W	.7	.3	.3	.3								1.7	6.4
WNW	1.0	.7	.7									2.3	4.3
NW	.7											.7	2.5
NNW	1.7											1.7	2.2
VARA													
CALM												13.0	
	41.3	18.3	4.7	2.0	.3	.7						100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7101
STATION

EL TORO, CALIFORNIA
STATION NAME

73-52
YEAR

NOV
MONTH

22
HOURS (L.S.T.)

ALL WEATHER
CLASS

ORIGINATOR

SPEED (KNTS) DRL	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.3	.3									1.3	4.3
NNE	1.7	1.7	.3			.3						3.7	5.9
NE	4.3	2.3	.7	1.0								8.3	4.8
ENE	7.7	4.1	.3									12.0	3.3
E	12.3	17.3	1.3									31.0	3.9
ESE	4.7	5.7	1.7	.3								12.3	4.5
SE	2.7	2.3	1.1	.3								6.3	4.7
SSE		1.1	.7									1.3	5.0
S	1.0	.3	.3									1.7	3.8
SSW													
SW													
WSW	.7											.3	2.0
W		.7		.3								.7	9.0
WNW	.7											.3	3.0
NW		.7										.3	6.0
NNW	.7											.3	3.0
VARBL													
CALM												20.0	
	35.7	35.7	6.3	2.0		.3						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 100

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

02111
STATION

EL TORO, CALIFORNIA
STATION NAME

73-82
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
NOON (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-54	≥56	%	MEAN WIND SPEED
N	1.4	.5	.1	.2								2.0	4.0
NNE	1.6	.7	.5	.4	.1	.2	.0					3.5	6.5
NE	2.2	1.4	.5	.7	.1	.2						6.0	5.5
NNE	5.7	3.4	.6	.1	.1		.0					10.0	3.9
E	7.5	8.0	.6	.1								16.3	3.8
ESE	2.0	2.5	.6	.0								6.3	3.9
SE	1.7	1.0	.5	.0								3.3	4.1
SSE	.2	1.2	.6	.2	.0							2.0	5.6
S	1.1	1.3	.4	.0								3.2	4.6
SSW	.9	.6	.5	.1								2.1	4.8
SW	.4	.7	.4	.1								1.5	5.5
WSW	1.0	1.5	1.2	.1	.0	.1						3.4	5.8
W	2.3	5.4	2.8	.5	.0							10.0	5.6
WNW	1.5	3.3	1.2									6.1	4.9
NW	1.2	.4	.2									2.2	3.7
NNW	.9	.3	.1	.0								1.3	3.3
VARB													
CALM												18.1	
	34.6	32.5	11.2	2.7	.4	.4	.1					100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

2399

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 05101 EL TORO, CALIFORNIA 73-42 YEAR DEC 01
STATION NAME CLASS OBSERVATION
ALL WEATHER
GRADE
ORIGIN

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.3		.3								1.0	6.3
NNE	2.7			1.3		.6						4.5	8.4
NE	4.0	.7	.3	.6								9.0	4.2
NNE	6.5	6.3	.6			.7						14.2	4.0
E	13.0	12.0	1.0	1.0								28.4	3.9
ESE	6.3	4.0	.3									11.3	3.2
SE	.7	1.3	.3	.3								5.2	3.6
SSE	1.3	1.3	.6									2.9	4.3
S	.3	.6	.3									1.3	5.3
SSW		.3										.3	4.0
SW													
WSW	.3											.3	2.0
W	.3	.3	.3									1.0	5.3
WNW													
NW													
NNW		.3										.3	4.0
VARBL													
CALM												20.3	
	32.7	31.6	3.0	3.3		1.0						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 711 EL TORO, CALIFORNIA 73-82 DEC
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
OBSERVER

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.3		.6								3.9	5.2
NNE	2.3	.2	1.0	1.3		.7						5.2	7.9
NE	4.2	3.2	1.0	.3								9.4	4.3
ENE	4.7	4.6	.3	.6								15.5	3.5
E	12.9	11.3	.6									24.3	3.5
ESE	2.6	3.2	.3		.3							6.6	4.5
SE	1.2	1.2										5.2	2.9
SSE	1.9	1.0										2.9	3.2
S	1.0	.3	.3									1.6	3.8
SSW	1.0											1.0	2.0
SW													
WSW			.1									.3	7.0
W	.2		.3									.6	4.5
WW		.1										.3	4.0
NW	1.2											1.3	2.0
NNW	.2	.6										1.0	4.0
VARBL													
CALM												20.6	
	42.6	29.0	4.2	2.9	.3	.3						170.0	3.2

TOTAL NUMBER OF OBSERVATIONS 310

EMOG

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

EL TORO, CALIFORNIA

STATION NAME

73-42

YEARS

DEC

MONTH

07

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.7	.7									1.9	5.2
NNE	2.5	.5	1.0	1.0		.3			.3			5.5	9.1
NE	6.8	2.9	.6		.3							10.6	4.0
NNE	.7	8.4	1.3	.6								20.0	4.0
E	11.3	2.1	1.4									21.6	3.5
ESE	7.7	4.2	1.0	.3								5.4	4.2
SE	7.4	1.0										3.7	3.0
SSE	1.5	.2	.7									2.3	3.6
S	1.0											1.0	1.7
SSW	1.0	.3										1.3	2.3
SW		.1										.7	4.0
WSW													
W	1.0	.3										1.3	2.0
WNW	.7											.6	1.5
NW	.1											.6	2.5
NNW	1.0	.3										1.3	2.5
VARS													
CALM												16.4	
	4.2	27.1	6.5	1.9	.3	.3			.3			100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 71-1 EL TORO, CALIFORNIA 73-42 DEC
STATION NAME CLASS MONTH
ALL WEATHER
DIRECTION

SPEED (KNTS) DIAL	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥56	%	MEAN WIND SPEED
N	1.3	.3			.3							1.9	5.7
NNE	.6		.3	.6	.3	.3						2.3	10.9
NE		.3	.3	1.6	.3	1.6						3.6	15.2
NNE	.3	.3										.6	3.5
E	1.3	1.3	1.6	.3								3.9	5.6
ESE	.3	1.3	.3	.3								2.3	6.1
SE	1.3	2.6										4.9	3.7
SE	1.3	3.9	.6	.3								10.0	3.9
S	4.3	4.3	.3	.3								10.0	3.7
SSW	3.6	.3										3.9	2.3
SW	1.3	1.3	.3									3.2	3.5
WSW	1.6	.6	.3									2.6	3.5
W	4.5	2.3	1.0									9.7	3.3
WW	2.0	.6	.6									4.2	3.4
WNW	3.6	.6		.3								4.5	3.0
NW	1.6	.3										1.9	2.3
VARS													
CALM												10.4	
	37.5	20.7	4.2	3.9	1.0	1.3						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TURCO, CALIFORNIA YEARS 73-72 MONTH DEC
STATION NAME ALL WEATHER CLASS 17
CORRECTIONS NOV 66 (L.S.V.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-32	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0	0.2	0.6	0.3	0.3						2.6	12.1
NNE		0.1	1.0			0.3						1.4	11.6
NE			0.1	0.6	1.0							1.9	15.2
NNE		0.1	0.3	1.9								2.6	11.0
E	0.1		0.3									0.6	4.3
ESE	0.1		0.6									1.3	4.0
SE	1.0		0.3	0.6								1.9	7.3
SSE	0.1	1.3	1.0	0.3								3.2	6.4
S	0.1	2.3	0.1	0.6								4.2	6.4
SEW	2.0	1.0	1.0									5.5	4.2
SW	1.0	1.0	1.0									3.6	4.9
WSW	0.1	1.0	1.6	0.6								6.4	5.0
W	1.0	1.0	3.0	1.3								29.1	4.8
WNW	0.1	9.4	2.0	0.3								16.4	4.6
NW	1.0	2.0										6.1	3.7
NNW	1.0	1.0										2.6	3.1
VARS													
CALM												7.1	
	31.1	34.3	15.2	7.1	1.3	0.0						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 379

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FL 1000, CALIFORNIA DATE 73-92 YEAR DEC
 STATION NAME ALL WEATHER MONTH 16
 CLASS ALL WEATHER HOUR (L.S.T.) 16
 CONDITION

SPEED (KNOTS) DNL	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.8
NNE	1.0	.0	1.0	1.0	.3	.0	.0	.0	.0	.0	.0	3.6	9.9
NE	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	2.0	9.7
ENE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.3	10.8
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0
ESE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	7.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	0.0
SSE	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	5.8
S	1.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	5.8
SSW	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	4.6
SW	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	6.2
WSW	1.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	5.4
W	11.0	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	12.4	4.1
WNW	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	18.8	4.7
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	3.8
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	3.8
VARB	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	X	X	X	X	X	X	X	X	X	X	X	3.4	.0
TOTAL	11.4	43.7	17.5	5.0	1.0	.0	.0	.0	.0	.0	.0	117.0	5.0

TOTAL NUMBER OF OBSERVATIONS 309

2808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL YORO, CALIFORNIA STATION NAME 73-12 YEARS DEC
MONTH 12
HOURS (L.S.T.)

ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	1.0	0.0	0.0	1.0	1.0	0.0					4.2	3.8
NNE	0.0	0.0	0.0	1.0	1.0	0.0						6.5	7.7
NE	0.0	2.0	0.0	0.0	0.0	0.0						11.4	5.0
ENE	0.0	1.0	0.0	1.0								11.0	3.7
E	15.0	5.1	1.0									23.6	3.5
ESE	0.0	1.0	0.0									2.4	4.4
SE	1.0	2.0										3.6	3.9
SSE	0.0	0.0	0.0									1.6	5.2
S	1.0	0.0			0.0							1.6	5.3
SSW	0.0		0.0	0.0								1.0	5.5
SW													
WSW	0.0											0.0	1.5
W	1.0	0.0	0.0									1.0	3.3
WNW	0.0	0.0		0.0								1.0	7.5
NW	0.0											0.0	1.0
NNW	1.0	0.0	0.0									1.0	3.2
VARBL													
CALM												28.2	
	40.5	20.7	4.2	3.6	1.9	0.0						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 379

BMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FL TOWN, CALIFORNIA STATION NAME 73-92 YEARS DEC
ALL WEATHER CLASS 22
 MONTH 22 HOURS (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	.3										1.9	2.7
NNE	2.3	1.0	.6	1.0	.3	.6						5.9	8.4
NE	4.0	2.3	.6	1.0		.3						9.1	5.3
ENE	7.8	6.3	.6		.3							15.5	3.8
E	12.0	13.7	1.6	.3								27.8	4.0
ESE	4.2	7.8	1.0									12.9	4.3
SE	1.7	.7	.6									3.2	3.4
SSE	.6	1.3										1.9	3.5
S	.3	1.0										1.3	3.5
SSW	.6											.6	2.5
SW	.7											.3	3.0
WSW			.7									.3	10.0
W	.7			.3								1.0	5.3
WNW	.7	.3										.5	3.0
NW				.3								.3	11.0
NNW		.7		.3								1.0	7.7
VARS													
CALM												16.2	
	37.5	37.9	5.8	3.2	.6	1.0						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FL TURO, CALIFORNIA YEAR 73-82 MONTH DEC
STATION NAME ALL WEATHER CLASS ALL
OBSERVATION NOV 82 (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.3	.3	.2	.1	.1						2.4	6.0
NNE	1.0	.3	.6	.9	.2	.4			.7			4.4	8.8
NE	2.4	1.7	.6	.7	.3	.2						7.0	5.8
ENE	.3	3.6	.1	.6	.1	.1						10.1	4.2
E	1.1	7.1	.1	.2								16.3	3.7
ESE	2.4	2.1	.6	.1	.0							6.1	4.2
SE	1.1	1.7	.2	.1								3.0	3.8
SSE	1.1	1.4	.4	.2								3.6	4.4
S	1.1	1.6	.4	.2	.1							3.4	4.7
SSW	1.1	.3	.1	.1								2.1	3.6
SW	.1	.1	.3	.0								1.1	4.9
WSW	.1	1.1	.1	.1								2.0	5.0
W	.1	4.4	1.1	.2								9.0	4.2
WNW	.1	2.1	.4	.2	.0							5.4	4.5
NW	1.1	.1	.1	.1								2.2	3.5
NNW	1.1	.1	.1	.1								1.7	3.6
VARB													
CALM												15.2	
	51.1	31.7	7.4	4.0	.8	.4			.3			100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 2475

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TOPO, CALIFORNIA YEAR 73-82 ALL
STATION NAME EL TOPO, CALIFORNIA YEAR 73-82 NORTH
ALL WEATHER ALL
CLASS ALL
LOCATION ALL
NUMBER (L.S.T.) ALL

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.4	.1	.1	.0	.0						1.7	4.4
NNE	.9	.4	.2	.3	.1	.1	.0		.0			1.6	6.9
NE	1.4	1.7	.2	.3	.1	.0	.0					3.3	5.4
NNE	1.9	1.7	.2	.2	.0	.0	.0					5.5	3.6
E	6.7	4.9	.6	.1	.0							12.2	3.5
ESE	7.7	2.0	.5	.1	.0							5.2	3.9
SE	1.7	1.6	.5	.2	.0	.0						3.9	4.4
SSE	1.6	1.7	.9	.2	.0	.0						4.4	4.9
S	2.2	2.5	1.2	.2	.0	.0						6.1	4.8
SSW	1.1	1.1	.5	.1	.0							2.8	4.8
SW	.3	.9	.6	.1	.0							2.5	5.3
WSW	1.3	2.0	1.9	.4	.0	.0						5.6	6.0
W	3.7	6.4	4.9	.6	.0	.0						15.5	5.7
WNW	2.2	2.0	1.6	.1	.0							6.9	4.9
NW	1.1	.9	.3	.0	.0							2.4	4.1
NNW	.0	.4	.1	.0	.0							1.4	3.6
VARB.													
CALM												15.8	
	32.0	30.5	14.2	3.0	.4	.2	.0		.0			100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 28708

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
7101

EL TORO, CALIFORNIA
STATION NAME

73-82
YEARS

ALL

MONTH

ALL

MOON (L.S.T.)

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/VISBY 1/2 MI OR MORE,

CONDITION

AND/OR VISBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	.5	.1	.0								1.9	2.9
NNE	.1	.2	.1									1.2	2.5
NE	1.6	.4	.1									2.1	3.0
ENE	1.7	1.3	.1									4.2	3.0
E	7.7	6.5	.1	.1								13.3	3.6
ESE	7.7	7.1	.7	.1	.1							6.8	4.1
SE	2.7	2.9	1.7	.5	.1	.1						7.3	4.8
SSE	2.7	2.5	1.7	.5	.1	.1						6.6	5.1
S	1.0	1.6	1.0	.2	.1	.1						7.7	4.5
SSW	1.6	1.1	.1	.1	.1	.1						3.0	3.9
SW	1.1	.7	.1	.1								2.3	4.3
WSW	1.6	.6	.7	.1								2.7	4.6
W	1.7	1.0	.1	.1								7.7	4.1
WNW	2.6	1.1	.1	.1								4.3	3.7
NW	1.1	.6	.1									2.7	3.0
NNW	1.7	.1	.1									2.2	2.6
VARB.													
CALM												24.3	
	34.5	24.2	7.7	1.7	.1	.1						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

3759

SMOS

NOCD, Federal Building
Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
$\geq C$					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10
Scattered converted to 3/10
Broken converted to 9/10
Overcast converted to 10/10
Obscured converted to 10/10

CEILING VERSUS VISIBILITY

73-79,81-92

JAN

STAY HERE

STATEMENT MADE

YK401

CONTENTS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21

HOUSE 1159

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	23.7	66.1	64.7	64.6	71.9	71.9	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.7	73.7	73.7
≥ 20000	23.7	63.7	64.4	70.5	72.7	72.7	73.4	73.7	73.7	73.7	73.7	73.7	73.7	74.5	74.5	74.5
NW 18000	23.7	64.1	69.8	70.9	73.0	73.0	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.8	74.8	74.8
14000	23.7	64.1	69.8	70.9	73.0	73.0	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.8	74.8	74.8
NW 12000	23.7	64.1	69.8	70.9	73.0	73.0	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.8	74.8	74.8
10000	23.7	64.1	69.8	70.9	73.0	73.0	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.8	74.8	74.8
8000	23.7	64.1	69.8	70.9	73.0	73.0	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.8	74.8	74.8
7000	23.7	64.1	69.8	70.9	73.0	73.0	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.8	74.8	74.8
NW 6000	23.7	64.1	69.8	70.9	73.0	73.0	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.8	74.8	74.8
5000	24.5	74.5	75.2	76.3	78.9	79.1	80.2	80.6	80.6	80.6	80.6	80.6	80.6	81.3	81.3	81.3
4500	24.5	75.5	76.3	77.1	79.9	80.2	81.3	81.7	81.7	81.7	81.7	81.7	81.7	82.4	82.4	82.4
4000	24.5	77.3	77.7	78.0	81.3	81.7	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.8	83.8	83.8
NW 3500	24.5	76.1	78.0	79.9	82.4	82.7	83.8	84.2	84.2	84.5	84.5	84.5	84.5	85.3	85.3	85.3
3000	24.5	79.9	80.6	81.7	84.2	84.5	85.6	86.0	86.0	86.3	86.3	86.3	86.3	87.1	87.1	87.1
2500	25.5	82.4	83.1	84.2	86.7	87.1	88.5	88.9	88.9	88.9	88.9	88.9	88.9	89.6	89.6	89.6
2000	25.5	85.7	85.9	86.5	87.1	87.4	88.5	88.9	88.9	89.2	89.2	89.2	89.2	89.9	89.9	89.9
NW 1800	25.5	87.7	88.2	88.9	89.4	89.7	88.9	89.2	89.2	89.6	89.6	89.6	89.6	90.3	90.3	90.3
1500	25.5	85.0	86.3	87.4	90.3	90.7	91.7	92.1	92.1	92.5	92.5	92.5	92.5	93.2	93.2	93.2
NW 1200	25.5	87.1	88.1	89.2	92.1	92.5	93.5	93.9	93.9	94.2	94.2	94.2	94.2	95.0	95.0	95.0
1000	25.5	87.4	88.9	89.9	93.2	93.5	94.6	95.0	95.0	95.3	95.3	95.3	95.3	96.0	96.0	96.0
NW 900	25.5	87.0	89.2	90.3	93.5	93.9	95.0	95.3	95.3	95.7	95.7	95.7	95.7	96.4	96.4	96.4
800	25.5	87.0	89.2	90.3	93.5	93.9	95.0	95.3	95.3	95.7	95.7	95.7	95.7	96.4	96.4	96.4
NW 700	25.5	86.1	88.6	90.7	93.9	94.2	95.3	95.7	95.7	96.0	96.0	96.0	96.0	96.8	96.8	96.8
600	25.5	86.1	89.6	90.7	93.9	94.2	95.3	95.7	95.7	96.0	96.0	96.0	96.0	96.8	96.8	96.8
NW 500	25.5	86.1	89.6	90.7	93.9	94.2	95.3	95.7	95.7	96.0	96.0	96.0	96.0	96.8	96.8	96.8
400	25.5	86.1	89.6	90.7	93.9	94.2	95.3	95.7	95.7	96.0	96.0	96.0	96.0	96.8	96.8	96.8
NW 300	25.5	86.1	89.6	90.7	93.9	94.2	95.3	95.7	95.7	96.0	96.0	96.0	96.0	96.8	96.8	96.8
200	25.5	86.1	89.6	90.7	93.9	94.2	95.3	95.7	95.7	96.0	96.0	96.0	96.0	96.8	96.8	96.8
NW 100	25.5	86.1	89.6	90.7	93.9	94.2	95.3	95.7	95.7	96.0	96.0	96.0	96.0	96.8	96.8	96.8
0	25.5	86.1	89.6	90.7	93.9	94.2	95.3	95.7	95.7	96.0	96.0	96.0	96.0	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS:

270

DINAVOCEANMET 8MO2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA

73-74, 81-82

JAN

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14

HOURLY (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	22.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 20000	22.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 18000	22.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 16000	22.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 14000	22.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 12000	22.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 10000	23.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 9000	23.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 8000	24.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000	24.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 6000	24.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 5000	24.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 4500	24.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 4000	25.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3500	25.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3000	26.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 2500	26.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 2000	26.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 1800	26.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 1500	27.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 1200	27.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 1000	27.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 900	27.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 800	27.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 700	27.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 600	27.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 500	27.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 400	27.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 300	27.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 200	27.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 100	27.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 0	27.0	65.0	67.0	65.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0

TOTAL NUMBER OF OBSERVATIONS 279

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-79, 81-82

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

77
HOURS LL 87

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	22.0	57.4	59.9	61.9	62.4	62.0	62.0	62.0	62.4	62.4	62.4	62.4	62.4	62.7	62.7	63.1
≥ 20000	24.1	61.7	64.2	65.2	66.3	66.3	66.3	66.3	66.7	66.7	66.7	66.7	66.7	67.0	67.0	67.4
N 10000	24.0	62.0	64.5	65.4	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.4	67.4	67.7
N 16000	24.0	62.4	64.9	66.0	67.0	67.0	67.0	67.0	67.4	67.4	67.4	67.4	67.4	67.7	67.7	68.1
N 14000	24.0	62.4	64.9	66.0	67.0	67.0	67.0	67.0	67.4	67.4	67.4	67.4	67.4	67.7	67.7	68.1
N 12000	24.0	62.7	65.2	66.3	67.4	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.5
N 10000	25.1	65.6	68.1	69.6	71.6	70.6	70.6	70.6	71.0	71.0	71.0	71.0	71.0	71.3	71.3	71.7
N 9000	25.1	66.0	68.5	69.9	71.7	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.7	71.7	72.0
N 8000	25.5	67.0	69.5	71.0	72.9	72.0	72.0	72.0	72.4	72.4	72.4	72.4	72.4	73.1	73.1	73.5
N 7000	25.9	67.4	69.9	71.3	72.4	72.8	72.8	73.1	73.9	73.5	73.5	73.5	73.5	73.8	73.8	74.2
N 6000	25.2	67.7	71.3	71.7	72.4	73.1	73.1	73.5	73.8	73.8	73.8	73.8	73.8	74.2	74.2	74.6
N 5000	26.2	68.6	71.3	72.0	73.8	74.2	74.2	74.6	74.9	74.9	74.9	74.9	75.3	75.3	75.3	75.6
N 4000	26.2	69.9	72.4	73.8	74.9	75.3	75.3	75.6	76.1	76.1	76.1	76.1	76.3	76.3	76.3	76.7
N 3000	26.2	70.3	72.8	74.2	75.3	75.6	76.0	76.7	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.8
N 2000	26.2	72.0	74.6	76.4	77.1	77.4	77.8	78.5	78.9	78.9	78.9	78.9	79.2	79.2	79.2	79.6
N 1800	27.2	73.5	76.3	78.1	79.6	79.9	80.7	81.3	81.4	81.4	81.4	81.4	81.7	81.7	81.7	82.1
N 1600	27.2	76.2	78.9	81.7	82.1	82.4	82.8	83.5	83.9	83.9	83.9	83.9	84.2	84.2	84.2	84.6
N 1400	27.6	77.8	80.7	82.4	83.9	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.1	86.1	86.1	86.4
N 1200	27.6	78.5	81.4	83.2	84.6	85.0	85.3	86.0	86.4	86.4	86.4	86.4	86.7	86.7	86.7	87.1
N 1000	28.1	80.7	83.4	86.4	87.8	88.2	88.9	89.6	90.0	90.0	90.0	90.0	90.3	90.3	90.3	90.7
N 900	28.3	82.4	86.4	88.9	91.3	90.7	91.4	92.1	92.5	92.5	92.5	92.5	92.8	92.8	92.8	93.2
N 800	28.3	83.2	86.7	89.6	91.1	91.8	92.5	93.2	93.6	93.6	93.6	93.6	94.3	94.3	94.3	94.7
N 700	28.3	83.5	87.1	90.3	91.7	92.5	93.2	93.9	94.3	94.3	94.3	94.3	94.6	94.6	94.6	95.0
N 600	28.3	83.5	87.1	90.3	91.7	92.5	93.2	93.9	94.3	94.3	94.3	94.3	94.6	94.6	94.6	95.0
N 500	28.3	83.5	87.1	90.3	91.7	92.5	93.2	93.9	94.3	94.3	94.3	94.3	94.6	94.6	94.6	95.0
N 400	28.3	83.5	87.1	90.3	91.7	92.5	93.2	93.9	94.3	94.3	94.3	94.3	94.6	94.6	94.6	95.0
N 300	28.3	83.5	87.1	90.3	91.7	92.5	93.2	93.9	94.3	94.3	94.3	94.3	94.6	94.6	94.6	95.0
N 200	28.3	83.5	87.1	90.3	91.7	92.5	93.2	93.9	94.3	94.3	94.3	94.3	94.6	94.6	94.6	95.0
N 100	28.3	83.5	87.1	90.3	91.7	92.5	93.2	93.9	94.3	94.3	94.3	94.3	94.6	94.6	94.6	95.0
N 0	28.3	83.5	87.1	90.3	91.7	92.5	93.2	93.9	94.3	94.3	94.3	94.3	94.6	94.6	94.6	95.0

TOTAL NUMBER OF OBSERVATIONS 270

D.ANAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
EL TORO, CALIFORNIA

73-79, 81-82

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	21.5	56.6	54.1	57.2	62.5	61.3	61.7	61.3	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 20,000	22.5	54.7	53.1	64.2	66.5	56.3	66.7	67.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0
N 18000	24.5	61.0	63.4	64.5	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
N 16000	26.5	61.0	63.4	64.5	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
N 14000	26.5	61.0	63.4	64.5	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
N 12000	27.2	63.4	67.2	64.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
N 10000	24.1	65.6	67.7	71.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
N 9000	23.1	65.6	67.7	71.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
N 8000	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 7000	26.5	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 6000	25.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 5000	25.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 4500	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 4000	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 3500	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 3000	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 2500	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 2000	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 1800	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 1500	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 1200	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 1000	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 900	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 800	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 700	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 600	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 500	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 400	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 300	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 200	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 100	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
N 0	20.3	67.7	71.3	73.5	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1

TOTAL NUMBER OF OBSERVATIONS

270

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION PAGE

73-74, 51-92

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS L. S. T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ 0
NO CEILING	11.2	48.1	53.9	54.5	56.6	58.4	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 20000	11.2	53.9	59.9	63.8	66.7	67.7	67.7	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 18000	21.4	51.3	60.2	64.2	66.3	68.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 16000	21.4	56.8	60.2	64.2	66.3	68.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 14000	21.4	56.8	60.2	64.2	66.3	68.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 12000	21.4	56.8	60.2	64.2	66.3	68.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 10000	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 9000	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 8000	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 7000	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 6000	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 5000	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 4500	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 4000	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3500	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3000	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 2500	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 2000	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 1800	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 1600	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 1400	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 1200	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 1000	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 900	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 800	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 700	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 600	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 500	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 400	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 300	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 200	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 100	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 0	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6

TOTAL NUMBER OF OBSERVATIONS 279

DIRNAVOCEAHME1 SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 11 TOP, CALIFORNIA

73-79, 81-82

YEARS

JAF

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ 1/4
NO CEILING	2.4	5.6	58.6	61.3	62.4	63.2	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 20000	1.2	5.6	62.7	60.0	67.7	67.7	68.5	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 18000	21.5	5.6	63.4	66.7	67.7	68.5	69.2	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 16000	21.5	5.6	63.4	66.7	67.7	68.5	69.2	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 14000	21.5	5.6	64.2	67.4	68.5	69.2	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 12000	22.1	6.2	66.7	70.6	72.8	73.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 10000	22.1	6.2	69.5	73.5	75.3	76.1	77.1	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 9000	22.1	6.2	69.5	73.5	75.3	76.1	77.1	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 8000	22.1	6.2	71.0	74.6	76.7	77.8	78.9	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 7000	22.1	6.2	71.0	74.6	76.7	77.8	78.9	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 6000	23.3	6.8	72.0	76.3	77.8	78.9	79.9	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 5000	23.3	6.8	72.0	76.3	78.1	79.2	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4500	23.3	6.8	72.0	76.3	79.1	79.2	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4000	24.7	7.4	74.0	77.4	81.0	82.1	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 3500	24.7	7.4	74.0	80.9	85.7	86.7	87.8	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 3000	24.7	7.4	80.9	85.7	86.7	87.8	88.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 2500	27.2	77.4	83.2	87.8	91.0	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 2000	27.2	77.4	85.0	87.8	91.0	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1800	27.2	77.4	85.0	87.8	91.0	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1500	27.2	77.4	85.0	87.8	91.0	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1200	27.2	77.4	85.0	87.8	91.0	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1000	27.2	77.4	85.0	87.8	91.0	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 900	27.2	77.4	85.0	87.8	91.0	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 800	27.2	77.4	85.0	87.8	91.0	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 700	27.2	77.4	85.0	87.8	91.0	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 600	27.2	77.4	85.0	87.8	91.0	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 500	27.2	77.4	85.0	87.8	91.0	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 400	27.2	77.4	85.0	87.8	91.0	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 300	27.2	77.4	85.0	87.8	91.0	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 200	27.2	77.4	85.0	87.8	91.0	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 100	27.2	77.4	85.0	87.8	91.0	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 0	27.2	77.4	85.0	87.8	91.0	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2

TOTAL NUMBER OF OBSERVATIONS 270

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-79, 81-82

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	22.7	67.4	88.1	66.8	69.2	69.9	70.3	70.3	70.3	70.3	70.6	70.6	70.6	70.6	70.6	70.6
≥ 20000	23.7	71.6	71.7	72.4	72.9	73.5	73.8	73.8	73.8	73.8	74.2	74.2	74.2	74.2	74.2	74.2
IV 18000	23.7	71.6	71.7	72.4	72.9	73.5	73.8	73.8	73.8	73.8	74.2	74.2	74.2	74.2	74.2	74.2
IV 16000	23.7	71.6	71.7	72.4	72.9	73.5	73.8	73.8	73.8	73.8	74.2	74.2	74.2	74.2	74.2	74.2
IV 14000	23.7	71.6	71.7	72.4	72.9	73.5	73.8	73.8	73.8	73.8	74.2	74.2	74.2	74.2	74.2	74.2
IV 12000	24.0	72.4	73.1	74.2	74.6	75.3	75.6	75.6	75.6	75.6	76.0	76.0	76.0	76.0	76.0	76.0
IV 10000	24.0	75.3	76.0	77.4	77.8	78.5	78.9	78.9	78.9	78.9	79.2	79.2	79.2	79.2	79.2	79.2
IV 9000	24.0	76.0	76.7	78.1	78.5	79.2	79.6	79.6	79.6	79.6	79.9	79.9	79.9	79.9	79.9	79.9
IV 8000	24.4	77.4	78.5	79.9	80.9	81.4	81.4	81.4	81.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7
IV 7000	24.7	79.2	80.3	81.7	82.1	82.8	83.2	83.2	83.2	83.2	83.5	83.5	83.5	83.5	83.5	83.5
IV 6000	25.1	79.6	81.0	82.4	82.9	83.5	83.9	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2
IV 5000	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 4500	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 4000	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 3500	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 2500	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 2000	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 1800	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 1600	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 1400	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 1200	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 1000	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 900	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 800	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 700	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 600	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 500	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 400	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 300	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 200	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 100	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 0	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0

TOTAL NUMBER OF OBSERVATIONS

279

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, N

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA

73-79,61-92

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

72

HOURE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	17.4	67.6	67.4	60.5	70.4	70.6	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.7
≥ 20000	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 18000	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 16000	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 14000	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 12000	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 10000	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 9000	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 8000	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 7000	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 6000	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 5000	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 4500	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 4000	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 3500	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 3000	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 2500	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 2000	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 1800	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 1500	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 1200	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 1000	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 900	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 800	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 700	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 600	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 500	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 400	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 300	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 200	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 100	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥ 0	27.4	67.6	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8

TOTAL NUMBER OF OBSERVATIONS

273

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-79, 81-92

YEAR

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	22.2	66.1	62.0	63.7	65.1	65.5	66.0	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.6
≥ 30000	23.0	63.7	65.9	67.7	69.3	69.7	70.3	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	71.0
≥ 18000	23.0	64.1	66.3	68.1	69.5	70.1	70.6	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.1	71.3
≥ 14000	23.0	64.1	66.3	68.1	69.5	70.1	70.6	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.1	71.3
≥ 14000	23.0	64.1	66.3	68.1	69.5	70.1	70.6	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.1	71.3
≥ 12000	23.0	64.1	66.3	68.1	69.5	70.1	70.6	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.1	71.3
≥ 10000	23.0	64.1	66.3	68.1	69.5	70.1	70.6	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.1	71.3
≥ 9000	23.0	64.1	66.3	68.1	69.5	70.1	70.6	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.1	71.3
≥ 8000	24.1	67.5	71.9	74.2	76.1	76.7	77.4	77.6	77.6	77.7	77.8	77.8	77.8	77.8	77.8	78.1
≥ 7000	24.1	67.5	71.9	74.2	76.1	76.7	77.4	77.6	77.6	77.7	77.8	77.8	77.8	77.8	77.8	78.1
≥ 6000	24.1	67.5	71.9	74.2	76.1	76.7	77.4	77.6	77.6	77.7	77.8	77.8	77.8	77.8	77.8	78.1
≥ 5000	24.1	67.5	71.9	74.2	76.1	76.7	77.4	77.6	77.6	77.7	77.8	77.8	77.8	77.8	77.8	78.1
≥ 4500	24.1	67.5	71.9	74.2	76.1	76.7	77.4	77.6	77.6	77.7	77.8	77.8	77.8	77.8	77.8	78.1
≥ 4000	24.1	67.5	71.9	74.2	76.1	76.7	77.4	77.6	77.6	77.7	77.8	77.8	77.8	77.8	77.8	78.1
≥ 3500	25.1	75.6	78.1	80.6	82.5	83.2	84.0	84.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.9
≥ 3000	26.2	77.5	79.9	82.5	84.5	85.2	86.0	86.3	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.9
≥ 2500	26.5	79.4	82.2	84.9	86.9	87.6	88.4	88.8	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.3
≥ 2000	26.5	81.2	84.3	86.8	88.9	89.7	90.5	90.9	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.4
≥ 1800	26.5	81.2	84.3	86.8	88.9	89.7	90.5	90.9	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.4
≥ 1500	27.0	83.6	86.5	89.0	91.9	92.7	93.6	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.6
≥ 1200	27.2	84.6	87.7	90.8	93.2	94.0	94.9	95.3	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.9
≥ 1000	27.2	85.0	88.2	91.4	94.1	94.8	95.7	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.9
≥ 900	27.2	85.0	88.2	91.4	94.1	94.8	95.7	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.9
≥ 800	27.2	85.0	88.2	91.4	94.1	94.8	95.7	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.9
≥ 700	27.2	85.0	88.2	91.4	94.1	94.8	95.7	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.9
≥ 600	27.2	85.0	88.2	91.4	94.1	94.8	95.7	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.9
≥ 500	27.2	85.0	88.2	91.4	94.1	94.8	95.7	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.9
≥ 400	27.2	85.0	88.2	91.4	94.1	94.8	95.7	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.9
≥ 300	27.2	85.0	88.2	91.4	94.1	94.8	95.7	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.9
≥ 200	27.2	85.0	88.2	91.4	94.1	94.8	95.7	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.9
≥ 100	27.2	85.0	88.2	91.4	94.1	94.8	95.7	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.9
≥ 0	27.2	85.0	88.2	91.4	94.1	94.8	95.7	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.9

TOTAL NUMBER OF OBSERVATIONS 2231

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
CL TOP, CALIFORNIA

73-79, 81-82

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	19.4	61.3	62.2	65.2	67.5	67.6	67.6	68.1	69.4	69.4	69.4	68.4	68.4	68.4	68.4	68.4
≥ 20000	19.4	63.6	65.2	67.6	70.0	70.0	70.4	70.8	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2
N 18000	19.4	63.6	65.2	67.6	70.0	70.0	70.4	70.8	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2
N 14000	19.4	63.6	65.2	67.6	70.0	70.0	70.4	70.8	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2
N 14000	19.4	65.2	66.8	69.2	71.5	71.5	71.9	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7
N 12000	19.4	65.2	66.8	69.2	71.5	71.5	71.9	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7
N 10000	19.4	66.4	68.0	70.4	72.7	72.7	73.5	73.9	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3
N 9000	19.4	66.4	68.0	70.4	72.7	72.7	73.5	73.9	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3
N 8000	19.4	67.6	69.2	71.5	73.9	73.9	74.7	75.1	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5
N 7000	19.4	67.6	69.2	71.5	73.9	73.9	74.7	75.1	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5
N 6000	19.4	68.8	69.6	71.9	74.3	74.3	75.1	75.5	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9
N 5000	21.7	69.2	70.8	73.1	75.5	75.5	76.3	76.7	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1
N 4500	21.7	70.8	71.5	73.9	76.3	76.3	77.1	77.5	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9
N 4000	21.7	71.5	73.5	75.9	78.3	78.3	79.1	79.5	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8
N 3500	21.7	71.5	73.5	75.9	78.3	78.3	79.1	79.5	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8
N 3000	21.7	73.1	74.7	77.1	79.5	79.5	80.2	80.6	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0
N 2500	21.7	73.1	75.5	77.9	80.2	80.2	81.0	81.4	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8
N 2000	21.7	74.7	76.3	78.7	81.1	81.1	81.8	82.2	82.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6
N 1800	21.7	75.1	76.7	79.1	81.4	81.4	82.2	82.6	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0
N 1500	21.7	77.5	79.5	81.8	84.2	84.2	85.0	85.4	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8
N 1200	21.7	77.5	79.5	81.8	84.2	84.2	85.0	85.4	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8
N 1000	21.7	81.2	82.6	85.8	88.1	88.1	88.9	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7
N 900	21.7	81.2	83.8	87.0	89.3	89.3	90.1	90.5	90.5	90.9	90.9	91.3	91.3	91.3	91.3	91.3
N 800	21.7	81.2	83.8	87.0	89.3	89.3	90.1	90.5	90.5	90.9	90.9	91.3	91.3	91.3	91.3	91.3
N 700	21.7	81.4	84.2	87.4	89.7	89.7	90.9	91.7	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1
N 600	21.7	81.8	85.0	88.1	90.9	90.9	92.1	92.9	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3
N 500	21.7	81.8	85.4	88.9	91.7	91.7	93.3	94.5	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9
N 400	21.7	81.8	85.4	88.9	91.7	91.7	93.3	94.5	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9
N 300	21.7	81.8	85.4	88.9	91.7	91.7	93.3	94.5	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9
N 200	21.7	81.8	85.4	88.9	91.7	91.7	93.3	94.5	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9
N 100	21.7	81.8	85.4	88.9	91.7	91.7	93.3	94.5	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9
N 0	21.7	81.8	85.4	88.9	91.7	91.7	93.3	94.5	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9

TOTAL NUMBER OF OBSERVATIONS

253

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME CL TORD, CALIFORNIA

73-79, 81-82

YEAR FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE (L. S. V.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	19.8	50.9	57.7	61.5	63.2	63.2	63.2	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 20000	21.2	52.5	63.6	64.4	67.2	67.2	67.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 18000	20.2	52.5	63.6	64.4	67.2	67.2	67.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 16000	20.2	52.5	63.6	64.4	67.2	67.2	67.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 14000	20.2	52.5	63.6	64.4	67.2	67.2	67.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 12000	20.2	52.5	63.6	64.4	67.2	67.2	67.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000	20.2	52.5	63.6	64.4	67.2	67.2	67.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000	20.2	52.5	63.6	64.4	67.2	67.2	67.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000	21.2	55.2	66.4	67.2	70.0	70.0	70.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 7000	21.2	55.2	66.4	67.2	70.0	70.0	70.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 6000	21.2	55.2	66.4	67.2	70.0	70.0	70.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 5000	21.2	55.2	66.4	67.2	70.0	70.0	70.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4500	21.2	55.2	66.4	67.2	70.0	70.0	70.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4000	21.2	55.2	66.4	67.2	70.0	70.0	70.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 3500	22.2	57.6	68.8	71.2	74.0	74.0	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000	22.2	57.6	68.8	71.2	74.0	74.0	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 2500	22.2	57.6	68.8	71.2	74.0	74.0	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 2000	22.2	57.6	68.8	71.2	74.0	74.0	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 1800	22.2	57.6	68.8	71.2	74.0	74.0	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 1500	22.2	57.6	68.8	71.2	74.0	74.0	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 1200	22.2	57.6	68.8	71.2	74.0	74.0	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 1000	22.2	57.6	68.8	71.2	74.0	74.0	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 900	22.2	57.6	68.8	71.2	74.0	74.0	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 800	22.2	57.6	68.8	71.2	74.0	74.0	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 700	22.2	57.6	68.8	71.2	74.0	74.0	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 600	22.2	57.6	68.8	71.2	74.0	74.0	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 500	22.2	57.6	68.8	71.2	74.0	74.0	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 400	22.2	57.6	68.8	71.2	74.0	74.0	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 300	22.2	57.6	68.8	71.2	74.0	74.0	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 200	22.2	57.6	68.8	71.2	74.0	74.0	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 100	22.2	57.6	68.8	71.2	74.0	74.0	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 0	22.2	57.6	68.8	71.2	74.0	74.0	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2

TOTAL NUMBER OF OBSERVATIONS

253

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-79, 81-92

YEARS

PER

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 18000	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 14000	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 14000	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 12000	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 10000	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 9000	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 8000	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 7000	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 6000	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 5000	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 4500	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 4000	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 3500	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 3000	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 2500	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 2000	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 1800	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 1500	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 1200	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 1000	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 900	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 800	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 700	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 600	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 500	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 400	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 300	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 200	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 100	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
IV 0	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1

TOTAL NUMBER OF OBSERVATIONS

453

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TIRO, CALIFORNIA STATION NAME 73-79,81-82 YEARS FEB MONTH 10

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	17.0	47.4	51.2	53.4	55.3	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.3	57.3
≥ 20000	10.2	50.6	53.4	56.9	59.3	60.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	62.1	62.1
≥ 18000	10.2	51.4	54.2	56.4	60.5	62.1	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.2	63.2
≥ 16000	10.2	51.4	54.2	58.1	62.5	62.1	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.2	63.2
≥ 14000	11.2	52.2	54.9	58.9	61.3	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	64.0	64.0
≥ 12000	11.0	53.0	55.7	59.7	62.1	63.6	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.8	64.8
≥ 10000	21.0	54.6	57.3	61.3	64.7	65.6	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.8	66.8
≥ 9000	21.0	54.6	57.3	61.3	64.7	65.6	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.8	66.8
≥ 8000	21.0	54.6	57.3	61.3	64.7	65.6	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.8	66.8
≥ 7000	21.0	54.6	57.3	61.3	64.7	65.6	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.8	66.8
≥ 6000	21.0	54.6	57.3	61.3	64.7	65.6	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.8	66.8
≥ 5000	21.0	54.6	57.3	61.3	64.7	65.6	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.8	66.8
≥ 4500	21.0	54.6	57.3	61.3	64.7	65.6	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.8	66.8
≥ 4000	21.0	54.6	57.3	61.3	64.7	65.6	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.8	66.8
≥ 3500	22.4	56.4	61.3	65.6	68.8	70.4	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.5	71.5
≥ 3000	22.4	56.4	61.3	65.6	68.8	70.4	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.5	71.5
≥ 2500	22.4	56.4	61.3	65.6	68.8	70.4	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.5	71.5
≥ 2000	22.4	56.4	61.3	65.6	68.8	70.4	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.5	71.5
≥ 1800	24.5	57.8	62.9	67.4	70.4	71.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.1
≥ 1600	24.5	57.8	62.9	67.4	70.4	71.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.1
≥ 1400	24.5	57.8	62.9	67.4	70.4	71.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.1
≥ 1200	24.5	57.8	62.9	67.4	70.4	71.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.1
≥ 1000	24.5	57.8	62.9	67.4	70.4	71.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.1
≥ 900	24.5	57.8	62.9	67.4	70.4	71.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.1
≥ 800	24.5	57.8	62.9	67.4	70.4	71.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.1
≥ 700	24.5	57.8	62.9	67.4	70.4	71.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.1
≥ 600	24.5	57.8	62.9	67.4	70.4	71.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.1
≥ 500	24.5	57.8	62.9	67.4	70.4	71.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.1
≥ 400	24.5	57.8	62.9	67.4	70.4	71.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.1
≥ 300	24.5	57.8	62.9	67.4	70.4	71.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.1
≥ 200	24.5	57.8	62.9	67.4	70.4	71.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.1
≥ 100	24.5	57.8	62.9	67.4	70.4	71.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.1
≥ 0	24.5	57.8	62.9	67.4	70.4	71.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.1

TOTAL NUMBER OF OBSERVATIONS 253

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION FL TOPG, CALIFORNIA

73-79,81-82

PER

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	24.6	47.6	52.5	54.2	55.1	56.5	58.5	61.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.7	59.7
≥ 20000	19.2	32.0	57.7	61.5	62.1	64.0	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.2	67.2
IV 18000	18.2	26.0	57.7	60.5	62.7	64.8	66.8	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0	68.0
IV 16000	18.2	26.0	57.7	60.5	62.7	64.8	66.8	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0	68.0
IV 14000	18.2	26.0	57.7	60.5	62.7	64.8	66.8	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0	68.0
IV 12000	18.2	26.0	57.7	60.5	62.7	64.8	66.8	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0	68.0
IV 10000	18.2	26.0	57.7	60.5	62.7	64.8	66.8	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0	68.0
IV 9000	18.2	26.0	57.7	60.5	62.7	64.8	66.8	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0	68.0
IV 8000	18.2	26.0	57.7	60.5	62.7	64.8	66.8	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0	68.0
IV 7000	18.2	26.0	57.7	60.5	62.7	64.8	66.8	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0	68.0
IV 6000	21.2	31.7	63.2	66.0	69.2	71.2	73.1	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.3	74.3
IV 5000	21.2	31.7	63.2	66.0	69.2	71.2	73.1	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.3	74.3
IV 4500	21.2	31.7	63.2	66.0	69.2	71.2	73.1	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.3	74.3
IV 4000	21.2	31.7	63.2	66.0	69.2	71.2	73.1	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.3	74.3
IV 3500	22.3	34.5	64.4	66.4	70.4	72.3	74.3	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.5	75.5
IV 3000	23.3	36.1	72.7	76.7	79.1	81.0	83.0	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.2	84.2
IV 2500	23.3	36.1	72.7	76.7	79.1	81.0	83.0	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.2	84.2
IV 2000	23.3	36.1	72.7	76.7	79.1	81.0	83.0	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.2	84.2
IV 1800	23.3	36.1	72.7	76.7	79.1	81.0	83.0	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.2	84.2
IV 1500	24.5	37.1	84.6	87.7	92.1	94.1	96.1	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.6	97.6
IV 1200	24.5	37.1	84.6	87.7	92.1	94.1	96.1	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.6	97.6
IV 1000	24.5	37.1	84.6	87.7	92.1	94.1	96.1	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.6	97.6
IV 900	24.5	37.1	84.6	87.7	92.1	94.1	96.1	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.6	97.6
IV 800	24.5	37.1	84.6	87.7	92.1	94.1	96.1	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.6	97.6
IV 700	24.5	37.1	84.6	87.7	92.1	94.1	96.1	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.6	97.6
IV 600	24.5	37.1	84.6	87.7	92.1	94.1	96.1	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.6	97.6
IV 500	24.5	37.1	84.6	87.7	92.1	94.1	96.1	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.6	97.6
IV 400	24.5	37.1	84.6	87.7	92.1	94.1	96.1	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.6	97.6
IV 300	24.5	37.1	84.6	87.7	92.1	94.1	96.1	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.6	97.6
IV 200	24.5	37.1	84.6	87.7	92.1	94.1	96.1	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.6	97.6
IV 100	24.5	37.1	84.6	87.7	92.1	94.1	96.1	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.6	97.6
IV 0	24.5	37.1	84.6	87.7	92.1	94.1	96.1	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS

253

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-79,81-82

YEARS

FEB

MARCH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 3 1/4	≥ 3	≥ 2 1/4	≥ 2 1/4	≥ 2	≥ 2	≥ 1 3/4	≥ 1 3/4	≥ 1 1/2	≥ 1 1/2	≥ 1
NO CEILING	18.6	53.1	54.6	57.5	58.5	59.7	60.5	60.7	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 20000	19.0	58.1	60.5	63.4	64.8	66.1	66.8	67.2	67.2	68.1	68.2	68.2	68.2	68.2	68.2	68.2
≥ 18000	19.0	58.1	60.5	64.4	65.6	66.8	67.6	68.1	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 16000	19.0	58.1	61.3	64.8	66.4	67.2	68.0	68.4	68.4	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 14000	19.0	60.5	62.7	66.4	67.6	68.6	69.6	70.0	70.0	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 12000	20.2	64.7	65.2	68.9	70.0	71.2	71.9	72.3	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 10000	21.3	64.8	66.7	71.5	72.7	74.3	75.1	75.5	75.5	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 9000	21.3	64.8	68.7	71.5	72.7	74.3	75.1	75.5	75.5	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 8000	21.3	66.4	70.0	73.5	74.7	76.3	77.1	77.5	77.5	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 7000	21.3	66.4	70.0	73.5	74.7	76.3	77.1	77.5	77.5	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 6000	21.3	66.4	71.9	76.3	77.5	79.1	79.8	80.2	80.2	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 5000	21.3	66.4	71.9	76.3	77.5	79.1	79.8	80.2	80.2	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4000	21.3	66.4	71.9	76.3	77.5	79.1	79.8	80.2	80.2	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000	21.3	66.4	71.9	76.3	77.5	79.1	79.8	80.2	80.2	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 2000	22.1	70.1	83.4	89.2	89.3	90.9	92.1	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	22.1	70.1	83.4	89.2	89.3	90.9	92.1	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1600	22.1	70.1	83.4	89.2	89.3	90.9	92.1	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1400	22.1	70.1	83.4	89.2	89.3	90.9	92.1	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	22.1	70.1	83.4	89.2	89.3	90.9	92.1	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1000	22.1	70.1	83.4	89.2	89.3	90.9	92.1	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 900	22.1	70.1	83.4	89.2	89.3	90.9	92.1	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 800	22.1	70.1	83.4	89.2	89.3	90.9	92.1	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 700	22.1	70.1	83.4	89.2	89.3	90.9	92.1	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 600	22.1	70.1	83.4	89.2	89.3	90.9	92.1	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 500	22.1	70.1	83.4	89.2	89.3	90.9	92.1	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 400	22.1	70.1	83.4	89.2	89.3	90.9	92.1	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 300	22.1	70.1	83.4	89.2	89.3	90.9	92.1	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 200	22.1	70.1	83.4	89.2	89.3	90.9	92.1	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 100	22.1	70.1	83.4	89.2	89.3	90.9	92.1	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 0	22.1	70.1	83.4	89.2	89.3	90.9	92.1	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3

TOTAL NUMBER OF OBSERVATIONS 253

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME EL TORO, CALIFORNIA STATION NUMBER 73-79,81-32 YEARS 1954
 MONTH 17
 HOURS (LST) 17

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.8	63.0	65.2	66.0	69.1	68.4	69.2	69.0	69.6	64.6	69.0	69.0	69.0	69.6	69.6	69.6
≥ 20000	13.0	51.2	60.2	71.2	71.2	72.7	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 18000	12.1	61.2	69.0	71.2	72.3	73.1	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 16000	10.0	60.2	65.6	71.2	72.3	73.1	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 14000	10.0	60.2	70.9	71.2	73.5	74.3	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 12500	10.0	60.2	71.5	73.1	74.3	75.1	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 10000	21.2	70.0	73.1	74.7	75.9	76.7	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 9000	20.0	70.0	73.1	74.7	75.9	76.7	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 8000	21.3	73.1	75.5	77.1	78.3	79.1	79.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 7000	21.3	74.3	76.7	78.3	79.5	80.2	81.7	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 6000	21.3	74.7	77.1	78.7	79.8	80.6	81.4	81.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 5000	21.3	74.7	77.1	78.7	79.8	80.6	81.4	81.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 4500	21.3	75.5	77.9	79.5	80.6	81.4	82.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 4000	21.3	77.1	79.5	80.6	82.6	83.4	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 3500	21.3	70.7	81.4	83.4	84.6	85.4	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3000	22.0	70.7	83.4	85.4	86.2	87.1	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 2500	22.0	71.5	84.2	86.2	87.4	88.1	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2000	22.0	74.2	87.4	89.3	90.5	91.3	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1800	22.0	75.5	88.1	90.1	91.3	92.1	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1500	22.0	76.6	89.7	91.7	92.9	93.7	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1200	22.0	77.4	90.5	92.5	93.7	94.5	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1000	22.0	78.9	92.1	94.1	95.3	96.1	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 900	22.0	80.6	93.7	95.7	96.9	97.7	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	22.0	81.4	94.5	96.5	97.7	98.5	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	22.0	82.2	95.3	97.3	98.5	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	22.0	83.4	96.1	98.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	22.0	84.2	96.9	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	22.0	85.4	97.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	22.0	86.2	98.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	22.0	87.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	22.0	88.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	22.0	89.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 43

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: EL TORO, CALIFORNIA STATION NAME: 13-79, 81-32 YEAR: 1950 MONTH: FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 3/16	≥ 0
NO CEILING	17.4	14.3	63.2	44.4	66.7	56.4	67.2	67.5	67.5	68.4	67.4	68.4	68.4	68.4	69.4	68.4
≥ 20000	17.4	14.3	63.2	44.4	66.7	56.4	67.2	67.5	67.5	68.4	67.4	68.4	68.4	68.4	69.4	68.4
≥ 18000	21.2	63.4	69.2	70.4	71.9	72.3	73.1	73.5	73.5	74.3	74.3	74.3	74.7	74.7	74.7	74.7
≥ 16000	20.2	66.4	69.2	70.4	71.9	72.3	73.1	73.5	73.5	74.3	74.3	74.3	74.7	74.7	74.7	74.7
≥ 14000	21.8	66.4	70.2	71.2	72.7	73.1	73.9	74.3	74.3	75.1	75.1	75.1	75.5	75.5	75.5	75.5
≥ 12000	21.8	66.4	70.2	71.2	72.7	73.1	73.9	74.3	74.3	75.1	75.1	75.1	75.5	75.5	75.5	75.5
≥ 10000	21.3	71.3	73.9	73.1	74.7	75.1	75.9	76.3	76.3	77.1	77.1	77.1	77.5	77.5	77.5	77.5
≥ 9000	21.3	71.3	73.9	73.1	74.7	75.1	75.9	76.3	76.3	77.1	77.1	77.1	77.5	77.5	77.5	77.5
≥ 8000	21.7	72.3	73.5	74.7	76.3	76.7	77.5	77.9	77.9	78.7	78.7	78.7	79.1	79.1	79.1	79.1
≥ 7000	21.7	73.5	74.7	75.9	77.5	77.9	78.7	79.1	79.1	79.9	79.9	79.9	80.2	80.2	80.2	80.2
≥ 6000	21.7	74.3	75.5	76.7	78.3	78.7	79.5	79.9	79.9	80.7	80.7	80.7	81.1	81.1	81.1	81.1
≥ 5000	22.1	74.7	75.9	77.1	78.7	79.1	79.9	80.2	80.2	81.0	81.0	81.0	81.4	81.4	81.4	81.4
≥ 4500	22.9	75.5	76.7	77.9	79.5	79.9	80.7	81.1	81.1	81.9	81.9	81.9	82.2	82.2	82.2	82.2
≥ 4000	23.3	77.5	78.7	79.9	81.5	81.9	82.7	83.1	83.1	83.9	83.9	83.9	84.2	84.2	84.2	84.2
≥ 3500	23.3	77.5	78.7	79.9	81.5	81.9	82.7	83.1	83.1	83.9	83.9	83.9	84.2	84.2	84.2	84.2
≥ 3000	23.7	77.9	79.1	80.3	81.9	82.3	83.1	83.5	83.5	84.3	84.3	84.3	84.6	84.6	84.6	84.6
≥ 2500	23.7	77.9	79.1	80.3	81.9	82.3	83.1	83.5	83.5	84.3	84.3	84.3	84.6	84.6	84.6	84.6
≥ 2000	24.1	78.3	79.5	80.7	82.3	82.7	83.5	83.9	83.9	84.7	84.7	84.7	85.0	85.0	85.0	85.0
≥ 1800	24.1	78.3	79.5	80.7	82.3	82.7	83.5	83.9	83.9	84.7	84.7	84.7	85.0	85.0	85.0	85.0
≥ 1600	24.1	78.3	79.5	80.7	82.3	82.7	83.5	83.9	83.9	84.7	84.7	84.7	85.0	85.0	85.0	85.0
≥ 1400	24.1	78.3	79.5	80.7	82.3	82.7	83.5	83.9	83.9	84.7	84.7	84.7	85.0	85.0	85.0	85.0
≥ 1200	24.1	78.3	79.5	80.7	82.3	82.7	83.5	83.9	83.9	84.7	84.7	84.7	85.0	85.0	85.0	85.0
≥ 1000	24.1	78.3	79.5	80.7	82.3	82.7	83.5	83.9	83.9	84.7	84.7	84.7	85.0	85.0	85.0	85.0
≥ 900	24.1	78.3	79.5	80.7	82.3	82.7	83.5	83.9	83.9	84.7	84.7	84.7	85.0	85.0	85.0	85.0
≥ 800	24.1	78.3	79.5	80.7	82.3	82.7	83.5	83.9	83.9	84.7	84.7	84.7	85.0	85.0	85.0	85.0
≥ 700	24.1	78.3	79.5	80.7	82.3	82.7	83.5	83.9	83.9	84.7	84.7	84.7	85.0	85.0	85.0	85.0
≥ 600	24.1	78.3	79.5	80.7	82.3	82.7	83.5	83.9	83.9	84.7	84.7	84.7	85.0	85.0	85.0	85.0
≥ 500	24.1	78.3	79.5	80.7	82.3	82.7	83.5	83.9	83.9	84.7	84.7	84.7	85.0	85.0	85.0	85.0
≥ 400	24.1	78.3	79.5	80.7	82.3	82.7	83.5	83.9	83.9	84.7	84.7	84.7	85.0	85.0	85.0	85.0
≥ 300	24.1	78.3	79.5	80.7	82.3	82.7	83.5	83.9	83.9	84.7	84.7	84.7	85.0	85.0	85.0	85.0
≥ 200	24.1	78.3	79.5	80.7	82.3	82.7	83.5	83.9	83.9	84.7	84.7	84.7	85.0	85.0	85.0	85.0
≥ 100	24.1	78.3	79.5	80.7	82.3	82.7	83.5	83.9	83.9	84.7	84.7	84.7	85.0	85.0	85.0	85.0
≥ 0	24.1	78.3	79.5	80.7	82.3	82.7	83.5	83.9	83.9	84.7	84.7	84.7	85.0	85.0	85.0	85.0

TOTAL NUMBER OF OBSERVATIONS

STATION: EL TORO, CALIFORNIA

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL YUQU, CALIFORNIA

73-79, 01-82

YEAR

PER

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
MOUSE (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING	10.4	55.4	54.1	11.7	51.0	52.0	62.6	62.4	63.1	63.2	63.3	63.3	63.3	63.4	63.4	63.4
≥ 20000	12.7	6.1	62.4	64.5	66.1	66.9	67.6	68.2	68.1	68.3	68.4	68.4	68.4	68.5	68.5	68.5
≥ 18000	13.0	6.4	62.7	64.7	66.3	67.4	68.1	68.5	68.6	68.8	68.9	68.9	68.9	69.0	69.0	69.0
≥ 16000	13.5	6.9	62.7	64.7	66.3	67.4	68.1	68.5	68.6	68.8	68.9	68.9	68.9	69.1	69.1	69.1
≥ 14000	13.7	7.1	62.8	64.8	66.4	67.5	68.2	68.5	68.6	68.8	68.9	68.9	68.9	69.1	69.1	69.1
≥ 12000	13.7	7.1	62.8	64.8	66.4	67.5	68.2	68.5	68.6	68.8	68.9	68.9	68.9	69.1	69.1	69.1
≥ 10000	2.7	53.3	66.7	66.5	71.4	71.2	71.9	72.4	72.4	72.7	72.7	72.7	72.8	72.9	72.9	72.9
≥ 9000	2.7	53.3	66.7	66.5	71.4	71.2	71.9	72.4	72.4	72.7	72.7	72.7	72.8	72.9	72.9	72.9
≥ 8000	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 7000	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 6000	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 5000	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 4500	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 4000	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 3500	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 3000	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 2500	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 2000	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 1800	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 1500	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 1200	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 1000	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 900	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 800	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 700	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 600	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 500	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 400	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 300	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 200	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 100	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
≥ 0	2.1	50.2	67.6	7.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4

TOTAL NUMBER OF OBSERVATIONS

777

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC YEAR 1954
 MONTH 1
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
≥ 2000	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
18000	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
16000	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
14000	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
12000	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
10000	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
9000	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
8000	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
7000	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
6000	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
5000	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
4500	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
4000	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
3500	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
3000	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
2500	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
2000	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
1800	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
1600	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
1400	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
1200	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
1000	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
900	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
800	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
700	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
600	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
500	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
400	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
300	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
200	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
100	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
0	15.1	1.7	0.7	0.7	67.7	60.7	71.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7

TOTAL NUMBER OF OBSERVATIONS 312

DATA SOURCE NAVSAT

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
LA TORO, CALIFORNIA

73-32

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1 1/8	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING	10.2	10.6	54.9	6.2	61.3	60.8	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 20000	10.2	6.3	61.2	61.5	62.1	62.1	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 18000	10.5	61.5	61.4	62.1	62.8	62.8	63.4	63.8	63.8	63.8	64.1	64.1	64.1	64.4	64.4	64.4
IV 16000	10.5	61.5	61.8	62.1	62.8	62.8	63.4	63.8	63.8	63.8	64.1	64.1	64.1	64.4	64.4	64.4
IV 14000	10.5	61.5	62.1	62.5	63.1	63.1	63.6	64.1	64.1	64.1	64.4	64.4	64.4	64.7	64.7	64.7
IV 12000	10.5	61.5	63.4	63.8	64.4	64.4	65.1	65.4	65.4	65.4	65.7	65.7	65.7	66.0	66.0	66.0
IV 10000	10.5	63.8	64.4	64.7	65.4	65.4	66.1	66.3	66.3	66.3	66.7	66.7	66.7	67.0	67.0	67.0
IV 9000	10.5	63.8	64.4	64.7	65.4	65.4	66.1	66.3	66.3	66.3	66.7	66.7	66.7	67.0	67.0	67.0
IV 8000	10.5	63.8	66.0	66.3	67.0	67.0	67.6	67.6	68.3	68.3	68.6	68.6	68.6	68.9	68.9	68.9
IV 7000	10.5	63.8	66.7	67.0	67.6	67.6	68.3	68.3	68.6	68.6	68.9	68.9	68.9	69.3	69.3	69.3
IV 6000	10.5	67.1	67.6	68.3	68.6	68.6	69.3	69.6	69.6	69.6	69.9	69.9	69.9	70.2	70.2	70.2
IV 5000	10.5	67.1	69.9	70.2	70.9	70.9	71.5	71.5	71.5	71.5	71.8	71.8	71.8	72.2	72.2	72.2
IV 4500	10.5	67.1	70.2	70.9	71.2	71.2	71.8	72.2	72.2	72.2	72.5	72.5	72.5	72.8	72.8	72.8
IV 4000	10.5	72.2	72.8	73.1	73.8	73.8	74.4	74.8	74.8	74.8	75.1	75.1	75.1	75.4	75.4	75.4
IV 3500	10.5	74.4	74.4	75.1	75.7	75.7	76.4	76.7	76.7	76.7	77.0	77.0	77.0	77.4	77.4	77.4
IV 3000	10.5	74.4	77.4	77.7	78.3	78.3	79.0	79.3	79.3	79.3	79.6	79.6	79.6	79.9	79.9	79.9
IV 2500	10.5	74.4	81.9	82.2	82.9	82.9	83.5	83.8	83.8	83.8	84.1	84.1	84.1	84.5	84.5	84.5
IV 2000	10.5	82.5	83.2	83.5	84.1	84.1	84.6	85.1	85.1	85.1	85.4	85.4	85.4	85.8	85.8	85.8
IV 1800	10.5	83.5	84.1	84.5	85.1	85.1	85.8	86.1	86.1	86.1	86.4	86.4	86.4	86.7	86.7	86.7
IV 1500	10.5	87.1	84.1	85.4	89.7	89.0	89.6	90.3	90.3	90.3	90.6	90.6	90.6	91.0	91.0	91.0
IV 1200	10.5	89.3	90.3	90.6	91.3	91.3	91.9	92.2	92.2	92.2	92.5	92.5	92.5	92.9	92.9	92.9
IV 1000	10.5	91.3	92.2	92.5	93.5	93.5	94.2	94.5	94.5	94.5	94.8	94.8	94.8	95.2	95.2	95.2
IV 900	10.5	91.3	93.5	93.5	94.5	94.5	95.2	95.5	95.5	95.5	95.8	95.8	95.8	96.1	96.1	96.1
IV 800	10.5	92.5	93.5	93.5	95.2	95.5	96.1	96.4	96.4	96.4	96.8	96.8	96.8	97.1	97.1	97.1
IV 700	10.5	92.5	93.5	93.5	95.2	95.5	96.1	96.4	96.4	96.4	96.8	96.8	96.8	97.1	97.1	97.1
IV 600	10.5	92.5	93.5	93.5	95.2	95.5	96.1	96.4	96.4	96.4	96.8	96.8	96.8	97.1	97.1	97.1
IV 500	10.5	92.5	94.2	94.5	96.1	96.4	97.1	97.4	97.4	97.4	97.7	97.7	97.7	98.1	98.1	98.1
IV 400	10.5	92.5	94.2	94.5	96.4	96.8	97.4	97.7	97.7	97.7	97.7	98.1	98.1	98.4	98.4	98.4
IV 300	10.5	92.5	94.2	94.5	96.4	96.8	97.4	97.7	97.7	97.7	97.7	98.1	98.1	98.4	98.4	98.4
IV 200	10.5	92.5	94.2	94.5	96.4	96.8	97.4	97.7	97.7	97.7	97.7	98.1	98.1	98.4	98.4	98.4
IV 100	10.5	92.5	94.2	94.5	96.4	96.8	97.4	97.7	97.7	97.7	97.7	98.1	98.1	98.4	98.4	98.4
IV 0	10.5	92.5	94.2	94.5	96.4	96.8	97.4	97.7	97.7	97.7	97.7	98.1	98.1	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS

309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION FL YORD, CALIFORNIA

73-82

MA9

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	17.1	52.0	54.2	55.5	55.8	55.0	55.0	55.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.8
≥ 20000	17.4	54.2	56.8	58.1	58.4	59.4	58.4	58.4	58.7	59.0	59.7	59.3	59.0	59.0	59.0	59.4
≥ 18000	17.4	55.5	57.4	58.7	59.1	59.1	59.0	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	60.0
≥ 16000	17.4	55.5	57.4	58.7	59.0	59.0	59.0	59.0	59.4	59.7	59.7	59.7	59.7	59.7	59.7	60.0
≥ 14000	17.4	55.5	57.7	59.0	60.0	60.0	60.0	60.0	60.3	60.7	60.7	60.7	60.7	60.7	60.7	61.0
≥ 12000	18.1	56.8	59.0	60.3	61.3	61.3	61.3	61.3	61.6	62.3	62.3	62.3	62.3	62.3	62.3	62.6
≥ 10000	18.1	56.7	61.0	62.3	63.2	63.2	63.2	63.2	63.6	64.2	64.2	64.2	64.2	64.2	64.2	64.5
≥ 9000	18.1	56.7	61.0	62.3	63.2	63.2	63.2	63.2	63.6	64.2	64.2	64.2	64.2	64.2	64.2	64.5
≥ 8000	18.1	60.3	62.6	63.9	65.2	65.2	65.2	65.2	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.5
≥ 7000	18.1	60.7	62.9	64.2	65.5	65.5	65.5	65.5	66.1	66.8	66.8	66.8	66.8	66.8	66.8	67.1
≥ 6000	18.1	61.0	63.9	65.2	66.8	66.8	67.1	67.1	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.4
≥ 5000	18.1	63.2	65.5	66.8	68.4	68.4	68.7	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.0
≥ 4500	18.1	63.9	66.1	67.4	69.1	69.0	69.4	69.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.7
≥ 4000	18.1	66.1	68.4	70.0	71.6	71.6	71.9	71.9	72.3	72.9	72.9	72.9	72.9	72.9	72.9	73.2
≥ 3500	18.4	67.7	70.0	71.6	73.2	73.2	73.6	73.6	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.8
≥ 3000	18.4	70.0	72.9	74.5	76.1	76.1	76.5	76.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.7
≥ 2500	18.4	73.9	76.1	77.7	79.4	79.4	79.7	79.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	81.0
≥ 2000	18.7	77.1	79.4	81.0	83.6	83.6	83.9	83.9	84.2	84.8	84.8	84.8	84.8	84.8	84.8	85.2
≥ 1800	18.7	77.7	81.0	82.6	84.2	84.2	84.5	84.5	84.9	85.5	85.5	85.5	85.5	85.5	85.5	85.8
≥ 1500	18.4	81.0	83.6	85.2	86.8	86.8	87.1	87.1	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.4
≥ 1200	18.4	81.6	84.2	85.8	87.4	87.4	87.7	87.7	88.1	88.7	88.7	88.7	88.7	88.7	88.7	89.0
≥ 1000	18.4	81.6	85.2	86.8	88.4	88.4	88.7	88.7	89.1	89.7	89.7	89.7	89.7	89.7	89.7	90.0
≥ 900	18.4	81.6	85.2	86.8	88.4	88.4	88.7	88.7	89.1	89.7	89.7	89.7	89.7	89.7	89.7	90.0
≥ 800	18.4	82.3	86.1	87.7	89.3	89.3	89.6	89.6	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.9
≥ 700	18.4	82.3	86.1	87.7	89.3	89.3	89.6	89.6	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.9
≥ 600	18.4	82.3	86.1	87.7	89.3	89.3	89.6	89.6	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.9
≥ 500	18.4	82.3	86.1	87.7	89.3	89.3	89.6	89.6	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.9
≥ 400	18.4	82.3	86.1	87.7	89.3	89.3	89.6	89.6	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.9
≥ 300	18.4	82.3	86.1	87.7	89.3	89.3	89.6	89.6	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.9
≥ 200	18.4	82.3	86.1	87.7	89.3	89.3	89.6	89.6	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.9
≥ 100	18.4	82.3	86.1	87.7	89.3	89.3	89.6	89.6	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.9
≥ 0	18.4	82.3	86.1	87.7	89.3	89.3	89.6	89.6	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.9

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-82

YEARS

MAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 2/3	≥ 1/2	≥ 3/10	≥ 1/4	≥ 0
NO CEILING	15.4	45.6	47.7	48.7	51.7	51.6	51.6	51.6	51.6	51.9	51.9	51.9	51.9	52.3	52.3	52.3
IV 20000	15.4	45.6	51.6	52.6	54.8	55.5	55.5	55.5	55.5	55.8	55.8	55.8	55.8	56.1	56.1	56.1
IV 18000	15.4	45.7	51.9	52.7	55.2	55.2	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5
IV 16000	15.4	45.8	52.3	53.2	55.5	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.8	56.8	56.8
IV 14000	15.4	45.8	52.3	53.2	55.5	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.8	56.8	56.8
IV 12000	15.1	45.8	53.9	54.8	57.1	57.7	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	58.7
IV 10000	15.1	45.8	54.8	55.8	58.1	58.7	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.7	59.7	59.7
IV 9000	16.5	52.0	54.8	55.8	58.1	58.7	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.7	59.7	59.7
IV 8000	16.5	53.9	56.1	57.1	59.4	60.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	61.0	61.0	61.0
IV 7000	16.5	54.5	56.8	57.7	60.7	60.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.6	61.6	61.6
IV 6000	16.5	55.3	58.1	59.4	61.3	61.9	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.9	62.9	62.9
IV 5000	17.1	56.1	61.7	61.8	63.7	64.5	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.5	65.5	65.5
IV 4500	17.1	56.7	61.3	62.3	64.5	65.2	65.5	65.5	65.8	65.8	65.8	65.8	65.8	66.1	66.1	66.1
IV 4000	17.1	56.7	63.2	64.2	66.5	67.1	67.4	67.4	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1
IV 3500	17.7	63.2	65.8	66.8	69.0	69.7	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.7	70.7	70.7
IV 3000	17.7	66.1	71.7	71.9	74.2	74.8	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.8	75.8	75.8
IV 2500	19.7	74.2	76.8	78.4	81.7	81.3	81.6	81.6	81.9	81.9	81.9	81.9	81.9	82.3	82.3	82.3
IV 2000	20.0	75.1	81.6	83.6	85.9	86.5	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.4	87.4	87.4
IV 1800	20.0	77.7	83.2	85.2	87.4	88.1	88.4	88.4	88.7	88.7	88.7	88.7	88.7	89.0	89.0	89.0
IV 1500	20.3	83.6	87.4	91.3	93.6	94.2	94.5	94.5	94.8	94.8	94.8	94.8	94.8	95.2	95.2	95.2
IV 1200	21.3	85.9	88.1	91.6	94.2	94.8	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.8	95.8	95.8
IV 1000	21.3	84.8	89.4	93.2	96.1	97.1	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.4	98.4	98.4
IV 900	21.3	85.5	91.0	94.2	97.1	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4
IV 800	21.3	85.5	91.0	94.2	97.1	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4
IV 700	21.3	85.5	91.0	94.2	97.1	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4
IV 600	21.3	85.5	91.0	94.2	97.1	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4
IV 500	21.3	85.5	91.0	94.2	97.1	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4
IV 400	21.3	85.5	91.0	94.2	97.1	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4
IV 300	21.3	85.5	91.0	94.2	97.1	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4
IV 200	21.3	85.5	91.0	94.2	97.1	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4
IV 100	21.3	85.5	91.0	94.2	97.1	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4
IV 0	21.3	85.5	91.0	94.2	97.1	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

FL 1000, CALIFORNIA

73-82

YEARS

MONTH

10

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	11.5	47.7	53.2	54.3	55.5	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 20000	15.1	54.2	57.7	59.7	62.7	61.1	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 18000	16.3	54.6	58.7	60.7	61.6	61.9	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 16000	16.5	55.2	59.0	61.0	61.9	62.3	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 14000	16.8	55.5	59.4	61.3	62.3	62.6	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 12000	17.1	55.8	60.7	62.6	63.6	63.9	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000	18.1	56.1	61.9	63.9	64.8	65.2	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 9000	18.1	56.1	61.9	63.9	64.8	65.2	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 8000	18.1	57.0	62.9	65.2	66.1	66.5	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	18.4	57.4	63.2	65.5	66.5	66.8	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 6000	18.4	57.4	63.2	66.1	67.1	67.4	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 5000	18.4	57.4	63.2	66.1	67.1	67.4	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4500	18.4	57.4	63.2	66.1	67.1	67.4	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4000	18.4	57.4	63.2	66.1	67.1	67.4	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 3500	19.4	58.5	68.8	70.7	71.6	71.9	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 3000	19.4	58.5	68.8	70.7	71.6	71.9	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 2500	21.1	59.3	69.7	72.6	73.5	73.8	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 2000	21.1	59.3	69.7	72.6	73.5	73.8	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 1800	21.1	59.3	69.7	72.6	73.5	73.8	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 1600	21.1	59.3	69.7	72.6	73.5	73.8	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 1400	21.1	59.3	69.7	72.6	73.5	73.8	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 1200	21.1	59.3	69.7	72.6	73.5	73.8	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 1000	21.1	59.3	69.7	72.6	73.5	73.8	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 900	21.1	59.3	69.7	72.6	73.5	73.8	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 800	21.1	59.3	69.7	72.6	73.5	73.8	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 700	21.1	59.3	69.7	72.6	73.5	73.8	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 600	21.1	59.3	69.7	72.6	73.5	73.8	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 500	21.1	59.3	69.7	72.6	73.5	73.8	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 400	21.1	59.3	69.7	72.6	73.5	73.8	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 300	21.1	59.3	69.7	72.6	73.5	73.8	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 200	21.1	59.3	69.7	72.6	73.5	73.8	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 100	21.1	59.3	69.7	72.6	73.5	73.8	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 0	21.1	59.3	69.7	72.6	73.5	73.8	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TUPO, CALIFORNIA

73-82

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

16

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.7	50.4	57.7	53.1	58.4	58.4	59.4	58.4	59.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 20000	14.4	52.3	64.2	64.5	64.4	64.8	64.8	64.8	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2
IV 18000	13.4	52.3	64.2	64.5	64.8	64.8	64.8	64.8	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2
IV 16000	12.4	52.3	64.2	64.5	64.8	64.8	64.8	64.8	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2
IV 14000	13.4	62.5	64.8	65.2	65.5	65.5	65.5	65.5	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 12000	19.4	64.2	66.1	66.5	66.8	66.8	66.8	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 10000	19.4	65.5	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 9000	19.4	65.5	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 8000	19.4	66.1	68.4	68.8	69.4	69.4	69.4	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 7000	19.4	66.5	69.7	69.4	69.7	69.7	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0
IV 6000	19.7	66.4	69.4	69.7	70.0	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 5000	20.0	66.4	70.7	71.3	71.6	71.6	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4500	20.0	67.4	71.3	71.9	72.3	72.3	72.3	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 4000	21.3	72.3	74.5	75.2	75.5	75.5	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 3500	21.3	73.6	75.8	76.5	76.8	76.8	76.8	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 3000	22.9	79.7	82.3	83.9	83.2	83.2	83.2	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 2500	23.2	84.5	87.1	87.7	88.1	88.1	88.1	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 2000	23.6	88.7	91.6	92.0	92.9	92.9	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1800	23.6	89.4	92.3	93.2	93.6	93.6	93.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1600	24.2	91.6	94.8	95.8	96.1	96.1	96.5	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1400	24.2	92.3	95.5	96.5	96.8	96.8	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	24.2	93.2	96.5	97.4	97.7	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000	24.2	93.2	96.5	97.4	97.7	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	24.2	93.0	96.8	97.7	98.4	98.4	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	24.2	93.6	96.8	97.7	98.4	98.4	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	24.2	93.9	97.1	98.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	24.2	93.9	97.1	98.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	24.2	93.9	97.1	98.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	24.2	93.9	97.1	98.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	24.2	93.9	97.1	98.1	98.7	98.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	24.2	93.9	97.1	98.1	98.7	98.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	24.2	93.9	97.1	98.1	98.7	98.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	24.2	93.9	97.1	98.1	98.7	98.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET 105

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION FL 1000, CALIFORNIA

73-82

MAR

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 0
NO CEILING	17.4	53.4	58.4	57.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.7	59.7
≥ 20000	18.1	63.9	63.9	64.5	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.5	65.5
IV 18000	18.1	63.9	63.9	64.5	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.5	65.5
IV 14000	18.1	63.9	63.9	64.5	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.5	65.5
IV 14000	18.1	64.2	64.2	64.4	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.8	65.8
IV 12000	18.1	64.4	64.8	65.5	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.5	66.5
IV 10000	18.7	68.1	68.1	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 9000	18.7	68.7	68.7	69.4	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.3	70.3
IV 8000	19.7	71.0	71.9	72.0	72.9	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.6	73.6
IV 7000	19.7	72.5	72.5	73.2	73.5	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.2	74.2
IV 6000	19.7	72.0	72.9	73.4	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.5	74.5
IV 5000	20.7	75.2	75.5	76.1	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.1	77.1
IV 4500	20.7	75.2	75.5	76.1	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.1	77.1
IV 4000	20.7	77.7	78.1	78.7	79.0	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.7	79.7
IV 3500	21.6	81.3	81.7	81.3	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.3	82.3
IV 3000	21.6	83.0	83.9	84.5	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.5	85.5
IV 2500	22.6	89.4	89.7	90.3	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3
IV 2000	22.6	91.3	91.6	92.3	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6
IV 1800	22.9	92.0	92.9	93.4	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.8	94.8
IV 1500	23.2	94.5	94.8	95.5	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.8	96.8
IV 1200	23.2	95.5	96.1	96.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.1	98.1
IV 1000	23.2	96.8	97.4	98.1	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4
IV 900	23.2	96.8	97.4	98.1	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4
IV 800	23.2	97.1	97.7	98.4	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.7	99.7
IV 700	23.2	97.4	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
IV 600	23.2	97.4	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
IV 500	23.2	97.4	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
IV 400	23.2	97.4	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
IV 300	23.2	97.4	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
IV 200	23.2	97.4	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
IV 100	23.2	97.4	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
IV 0	23.2	97.4	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA YEAR 73-82 MAP 72
STATION NAME EL TORO, CALIFORNIA NORTH 72
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	17.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 20000	17.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 18000	17.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 16000	17.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 14000	17.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 12000	17.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 10000	17.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 9000	17.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 8000	17.1	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 7000	17.1	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 6000	17.1	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 5000	17.1	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 4500	17.1	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 4000	17.1	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 3500	17.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000	17.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2500	17.1	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 2000	17.1	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1800	17.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1600	17.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1400	17.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1200	17.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000	17.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 900	17.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 800	17.1	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 700	17.1	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 600	17.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 500	17.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 400	17.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 300	17.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 200	17.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100	17.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 0	17.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 217

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA

73-82

PAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 3/16	≥ 0
NO CEILING	16.7	55.9	57.1	57.6	58.2	58.3	58.4	58.5	58.6	58.6	58.7	58.7	58.8	58.8	58.8	58.8
≥ 20000	17.1	59.3	60.5	61.2	61.3	61.9	62.1	62.2	62.3	62.4	62.5	62.5	62.6	62.6	62.6	62.7
≥ 18000	17.1	59.6	61.0	61.6	62.2	62.3	62.5	62.7	62.7	62.8	62.9	62.9	63.0	63.0	63.0	63.1
≥ 16000	17.0	59.7	61.0	61.7	62.3	62.4	62.6	62.7	62.8	62.9	63.0	63.0	63.1	63.1	63.1	63.1
≥ 14000	17.7	59.9	61.3	62.4	62.7	62.8	63.0	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.5
≥ 12000	17.4	61.1	62.3	63.2	63.7	63.9	64.1	64.2	64.3	64.4	64.5	64.5	64.5	64.6	64.6	64.7
≥ 10000	17.8	62.6	64.1	64.7	65.4	65.5	65.7	65.9	66.0	66.1	66.2	66.2	66.3	66.3	66.3	66.3
≥ 9000	17.8	62.8	64.2	64.9	65.6	65.7	65.9	66.1	66.2	66.3	66.4	66.4	66.5	66.5	66.5	66.5
≥ 8000	18.3	64.2	65.6	66.4	67.1	67.2	67.5	67.7	67.7	67.9	67.9	67.9	68.1	68.1	68.1	68.1
≥ 7000	18.1	64.7	66.2	66.7	67.7	67.8	68.1	68.2	68.3	68.4	68.5	68.5	68.6	68.6	68.6	68.7
≥ 6000	18.1	65.4	66.9	67.7	68.4	68.5	68.8	69.0	69.1	69.2	69.3	69.3	69.4	69.4	69.4	69.4
≥ 5000	18.4	67.0	68.9	69.7	70.5	70.6	70.9	71.0	71.1	71.2	71.3	71.3	71.4	71.4	71.4	71.5
≥ 4500	18.4	67.8	69.3	70.1	70.9	71.0	71.3	71.4	71.5	71.6	71.7	71.7	71.8	71.8	71.8	71.9
≥ 4000	18.8	70.5	72.0	72.8	73.6	73.7	74.0	74.1	74.2	74.3	74.4	74.4	74.6	74.6	74.6	74.6
≥ 3500	18.4	72.7	74.3	75.1	75.9	76.0	76.3	76.4	76.5	76.6	76.7	76.7	76.9	76.9	76.9	76.9
≥ 3000	20.2	77.1	78.7	79.2	80.3	80.4	80.7	80.8	80.9	81.0	81.1	81.1	81.2	81.2	81.2	81.3
≥ 2500	21.6	81.3	83.5	84.4	85.1	85.2	85.5	85.7	85.8	85.9	86.0	86.0	86.1	86.1	86.1	86.1
≥ 2000	20.9	84.6	86.7	87.9	88.7	88.8	89.1	89.3	89.4	89.5	89.6	89.6	89.7	89.7	89.7	89.8
≥ 1800	23.0	85.5	87.5	88.6	89.4	89.5	89.8	90.0	90.1	90.2	90.3	90.3	90.4	90.4	90.4	90.5
≥ 1500	21.3	86.5	90.6	92.1	92.9	93.1	93.4	93.6	93.7	93.8	93.9	93.9	94.0	94.0	94.0	94.1
≥ 1200	21.4	87.6	91.8	93.4	94.4	94.6	95.0	95.2	95.3	95.4	95.5	95.5	95.6	95.6	95.6	95.7
≥ 1000	21.9	89.3	93.2	94.4	96.3	96.3	96.7	96.9	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.4
≥ 900	21.0	91.2	93.7	95.4	96.5	96.9	97.3	97.5	97.6	97.7	97.8	97.8	97.9	97.9	97.9	98.1
≥ 800	21.5	91.3	93.9	95.6	96.9	97.2	97.6	97.8	97.9	98.1	98.1	98.1	98.3	98.3	98.3	98.4
≥ 700	21.5	91.5	94.2	95.9	97.1	97.5	97.9	98.1	98.1	98.4	98.5	98.5	98.6	98.6	98.6	98.7
≥ 600	21.5	91.6	94.3	96.1	97.4	97.7	98.1	98.4	98.4	98.6	98.8	98.8	98.9	98.9	98.9	99.0
≥ 500	21.5	91.7	94.4	96.2	97.5	97.8	98.2	98.4	98.5	98.8	98.9	98.9	99.0	99.0	99.1	99.2
≥ 400	21.5	91.7	94.4	96.2	97.5	97.9	98.3	98.5	98.6	98.9	99.0	99.0	99.2	99.2	99.3	99.4
≥ 300	21.5	91.7	94.4	96.2	97.5	97.9	98.4	98.6	98.7	99.0	99.2	99.2	99.4	99.4	99.5	99.5
≥ 200	21.5	91.7	94.4	96.2	97.5	97.9	98.4	98.6	98.7	99.0	99.2	99.2	99.4	99.4	99.5	99.7
≥ 100	21.5	91.7	94.4	96.2	97.5	97.9	98.4	98.6	98.7	99.0	99.2	99.2	99.4	99.4	99.5	99.8
≥ 0	21.5	91.7	94.4	96.2	97.5	97.9	98.4	98.6	98.7	99.0	99.2	99.2	99.4	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2479

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL PASO, CALIFORNIA

73-77

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01

HOURS (L F T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	14.7	12.7	13.3	13.7	13.7	13.7	14.3	14.3	14.3	14.3	14.7	14.7	14.7	14.7	14.7	14.7
≥ 20000	14.7	13.3	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
18000	14.7	13.3	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
16000	14.7	13.3	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
14000	14.7	13.3	14.7	15.3	15.3	15.3	15.7	15.7	15.7	15.7	16.3	16.3	16.3	16.3	16.3	16.3
12000	14.7	13.3	15.3	15.7	15.7	15.7	16.3	16.3	16.3	16.3	16.7	16.7	16.7	16.7	16.7	16.7
10000	14.7	14.3	15.7	16.3	16.3	16.3	16.7	16.7	16.7	16.7	17.3	17.3	17.3	17.3	17.3	17.3
9000	14.7	14.3	15.7	16.3	16.3	16.3	16.7	16.7	16.7	16.7	17.3	17.3	17.3	17.3	17.3	17.3
8000	14.7	15.3	16.7	17.3	17.3	17.3	17.7	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.3	18.3
7000	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
6000	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
5000	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
4500	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
4000	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
3500	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
3000	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
2500	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
2000	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
1800	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
1500	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
1200	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
1000	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
900	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
800	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
700	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
600	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
500	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
400	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
300	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
200	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
100	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7
0	14.7	16.3	17.3	17.7	17.7	17.7	18.3	18.3	18.3	18.3	18.7	18.7	18.7	18.7	18.7	18.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 1101 LL YORO, CALIFORNIA STATION NAME 73-92 YEAR MONTH DAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.3	55.3	55.3	55.7	55.7	55.7	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.3
≥ 20000	18.3	56.7	57.0	57.3	57.3	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.0
IV 18000	13.3	56.7	57.0	57.3	57.3	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.0
IV 16000	18.3	56.7	57.0	57.3	57.3	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.0
IV 14000	18.3	57.0	57.3	57.7	57.7	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.3
IV 12000	18.3	56.7	58.0	58.7	58.7	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.3
IV 10000	18.3	58.7	58.7	59.3	59.3	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.0
IV 9000	18.3	58.7	59.3	59.3	59.3	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.0
IV 8000	18.7	60.3	60.7	61.0	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
IV 7000	18.7	60.3	60.7	61.0	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
IV 6000	19.7	60.3	60.7	61.0	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
IV 5000	19.0	61.3	61.7	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.7
IV 4500	19.0	61.3	61.7	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.7
IV 4000	19.7	63.0	63.3	63.7	63.7	63.7	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.3
IV 3500	20.0	63.7	64.0	64.3	64.3	64.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	65.0
IV 3000	21.7	67.7	68.0	68.3	68.3	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.0
IV 2500	21.7	71.0	71.7	72.0	72.0	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.7
IV 2000	22.0	75.0	76.3	76.7	76.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.3
IV 1800	22.0	75.0	76.7	77.0	77.0	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.7
IV 1500	23.3	80.7	81.7	82.0	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.7
IV 1200	23.3	81.3	83.0	83.3	83.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.0
IV 1000	23.3	86.7	87.7	88.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.3
IV 900	23.3	87.7	89.3	90.3	90.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.0
IV 800	23.3	86.7	89.7	90.7	90.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3
IV 700	23.3	86.7	90.3	91.0	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.7
IV 600	23.3	87.0	90.7	92.0	92.0	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.7
IV 500	23.3	87.3	91.0	92.3	92.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0
IV 400	23.3	87.3	91.3	93.0	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7
IV 300	23.3	87.3	91.3	93.0	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7
IV 200	23.3	87.3	91.3	93.0	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7
IV 100	23.3	87.3	91.3	93.0	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7
IV 0	23.3	87.3	91.3	93.0	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
FL TOP, CALIFORNIA

73-21

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	¾	≥ 0
NO CEILING	15.3	40.7	51.7	52.3	52.7	52.3	52.3	52.3	52.7	52.7	52.7	52.7	52.7	52.7	51.7	53.7
≥ 20000	15.7	40.7	53.7	52.7	53.7	53.7	53.7	53.7	53.7	54.0	54.0	54.0	54.0	54.0	54.3	54.3
IV 18000	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.7	54.7
IV 16000	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.7	54.7
IV 14000	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.7	54.7
IV 12000	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	55.0	55.0
IV 10000	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 9000	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 8000	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 7000	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 6000	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 5000	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 4500	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 4000	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 3500	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 3000	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 2500	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 2000	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 1800	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 1500	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 1200	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 1000	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 900	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 800	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 700	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 600	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 500	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 400	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 300	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 200	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 100	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0
IV 0	15.7	50.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	57.0	57.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

13-02

YEAR

MO

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 20000	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 18000	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 16000	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 14000	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 12000	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 10000	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 9000	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 8000	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 7000	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 6000	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 5000	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 4500	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 4000	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 3500	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 3000	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 2500	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 2000	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 1800	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 1500	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 1200	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 1000	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 900	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 800	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 700	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 600	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 500	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 400	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 300	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 200	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 100	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 0	15.7	53.7	55.1	56.3	56.3	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION FL TORD, CALIFORNIA

73-82

YEAR

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13

ADDITIONAL DATA

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	10.7	69.3	63.0	65.3	66.3	66.3	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	16.7	63.0	66.7	69.3	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 18000	16.7	63.0	66.7	69.3	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 16000	16.7	63.0	66.7	69.3	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 14000	16.7	63.0	66.7	69.3	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000	17.0	63.7	67.3	70.0	71.0	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 10000	17.0	64.3	68.0	70.7	71.7	71.7	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 9000	17.0	64.3	68.0	70.7	71.7	71.7	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 8000	17.0	65.3	69.0	71.7	72.7	72.7	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 7000	17.0	65.3	69.0	71.7	72.7	72.7	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 6000	18.0	65.7	69.3	72.7	73.7	73.7	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 5000	18.0	67.3	71.0	73.7	74.7	74.7	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4500	18.0	68.0	71.7	74.7	75.7	75.7	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4000	19.0	70.7	74.3	77.0	78.0	78.0	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 3500	21.0	75.0	78.7	81.3	82.3	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000	22.0	81.0	85.0	87.7	88.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500	22.0	85.3	89.3	92.0	93.0	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000	27.0	88.3	93.0	95.7	96.7	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800	27.0	88.3	93.0	95.7	96.7	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	23.0	90.3	94.3	97.3	98.3	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	23.0	90.7	94.7	97.7	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	23.0	90.7	94.7	97.7	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	23.0	90.7	94.7	97.7	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	23.0	90.7	94.7	97.7	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	23.0	90.7	94.7	97.7	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	23.0	90.7	94.7	97.7	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	23.0	90.7	94.7	97.7	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	23.0	90.7	94.7	97.7	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	23.0	90.7	94.7	97.7	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	23.0	90.7	94.7	97.7	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	23.0	90.7	94.7	97.7	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	23.0	90.7	94.7	97.7	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCS, NMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-82

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	21.7	64.9	67.2	69.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 30000	21.7	64.9	71.2	73.9	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 18000	21.7	64.9	71.2	73.9	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 16000	21.7	64.9	71.2	73.9	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 14000	21.7	64.9	71.2	74.3	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 12000	21.7	64.9	72.6	75.3	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 10000	21.7	70.9	73.6	76.3	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 9000	21.7	70.9	73.6	76.3	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 8000	21.7	71.6	74.3	76.9	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 7000	21.7	72.2	74.9	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 6000	21.7	72.9	75.6	76.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 5000	22.3	74.3	76.9	79.6	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4500	22.3	74.3	77.3	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 4000	22.3	76.9	79.6	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 3500	23.8	80.3	82.9	85.6	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 3000	24.4	83.6	86.3	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 2500	24.4	88.3	91.0	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2000	24.4	91.6	94.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1800	25.1	91.6	94.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1500	25.4	93.3	95.7	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1200	25.4	93.3	95.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	25.4	93.3	96.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	25.4	93.3	96.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	25.4	93.3	96.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	25.4	93.3	96.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	25.4	93.3	96.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	25.4	93.3	96.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	25.4	93.3	96.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	25.4	93.3	96.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	25.4	93.3	96.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	25.4	93.3	96.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	25.4	93.3	96.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA 73-82 APR 19 1954

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	18.7	67.3	65.3	65.3	69.3	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 20000	18.7	7.3	71.7	71.7	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 18000	19.7	70.7	72.7	72.0	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 16000	19.7	70.7	72.7	72.0	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 14000	19.7	71.3	72.7	72.0	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 12000	19.7	70.3	73.7	73.7	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 10000	19.7	73.7	75.0	75.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 9000	19.7	73.7	75.0	75.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 8000	18.7	73.7	75.0	75.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 7000	18.7	73.7	75.0	75.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 6000	19.7	73.7	75.0	75.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 5000	19.7	76.3	77.7	77.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4500	19.7	77.0	78.3	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4000	20.0	76.7	80.3	80.3	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 3500	21.7	81.7	83.3	83.3	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 3000	22.7	85.7	87.3	87.3	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2500	22.7	89.0	90.7	90.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2000	23.0	92.0	93.7	93.7	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1800	23.0	92.0	93.7	93.7	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1500	23.0	93.3	95.0	95.0	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	23.3	94.0	96.3	96.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	23.3	95.0	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	23.3	95.0	97.3	98.0	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	23.3	95.0	97.3	98.0	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	23.3	95.0	97.3	98.0	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	23.3	95.0	97.3	98.0	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	23.3	95.0	97.3	98.0	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	23.3	95.0	97.3	98.0	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	23.3	95.0	97.3	98.0	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	23.3	95.0	97.3	98.0	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	23.3	95.0	97.3	98.0	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	23.3	95.0	97.3	98.0	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION FL TORO, CALIFORNIA

73-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH

24

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	20.3	66.4	67.0	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 20000	20.3	66.4	67.0	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 18000	20.3	66.7	67.7	67.7	67.7	67.7	68.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 16000	20.3	66.7	67.7	67.7	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 14000	20.3	67.0	68.0	68.0	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 12000	20.3	67.3	68.3	68.3	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 10000	20.3	67.3	68.3	68.3	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 9000	20.3	67.3	68.3	68.3	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 8000	20.7	67.7	68.7	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000	20.7	68.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 6000	20.7	68.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	20.7	69.7	70.7	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	20.7	71.0	71.0	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4000	20.7	71.0	72.0	72.0	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500	21.0	74.0	75.0	75.0	75.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3000	22.3	78.0	79.0	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2500	22.7	81.0	82.3	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2000	23.0	85.7	85.0	85.0	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1800	23.7	85.7	87.0	87.0	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1500	24.0	87.7	91.0	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	24.3	90.3	91.7	92.3	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1000	24.3	92.3	94.0	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	24.0	92.3	94.0	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800	24.0	93.0	95.0	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700	24.0	93.7	95.7	96.3	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 600	24.3	94.3	97.0	97.7	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	24.0	94.7	97.7	98.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	24.0	94.7	97.7	98.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	24.0	94.7	97.7	98.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	24.0	94.7	97.7	98.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	24.0	94.7	97.7	98.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	24.0	94.7	97.7	98.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMO8

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	13.6	54.2	61.2	62.1	62.6	62.6	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 20000	13.6	61.4	63.6	64.0	65.1	65.1	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.6	65.6
IVN 18000	18.2	61.5	63.7	64.7	65.2	65.2	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.7	65.7
IVN 16000	18.2	61.5	63.7	64.7	65.2	65.2	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.7	65.7
IVN 14000	18.2	61.8	64.0	65.0	65.5	65.5	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0
IVN 12000	18.3	62.4	64.7	65.7	66.2	66.2	66.4	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.7	66.7
IVN 10000	18.3	63.4	65.6	66.6	67.1	67.1	67.3	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.6	67.6
IVN 9000	18.3	63.4	65.7	66.7	67.2	67.2	67.4	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.7	67.7
IVN 8000	18.7	64.2	66.4	67.4	67.9	67.9	68.2	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.5	68.5
IVN 7000	18.8	64.6	66.8	67.8	68.3	68.3	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.8	68.8
IVN 6000	19.9	64.4	67.0	68.0	68.5	68.5	68.7	68.8	68.8	68.9	68.9	68.9	68.9	68.9	69.0	69.0
IVN 5000	19.2	66.2	68.5	69.5	70.7	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IVN 4500	19.3	66.6	68.8	69.8	70.3	70.3	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.8	70.8
IVN 4000	19.7	68.4	70.6	71.6	72.1	72.1	72.3	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6
IVN 3500	20.8	70.9	73.2	74.2	74.7	74.7	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IVN 3000	21.4	75.5	77.8	79.8	79.3	79.3	79.5	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.8	79.8
IVN 2500	22.6	77.4	81.9	82.9	83.4	83.4	83.6	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.9	83.9
IVN 2000	22.4	83.1	85.9	87.0	87.5	87.5	87.7	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.1	88.1
IVN 1800	22.6	83.7	86.5	87.6	88.1	88.2	88.4	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.7	88.7
IVN 1500	22.9	86.0	89.1	90.4	91.1	91.2	91.4	91.5	91.5	91.6	91.7	91.7	91.7	91.7	91.8	91.8
IVN 1200	23.1	86.8	90.3	91.8	92.6	92.8	93.0	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.4	93.4
IVN 1000	23.1	88.5	92.1	93.9	95.7	95.3	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	96.0	96.0
IVN 900	23.1	88.8	92.5	94.3	95.5	95.7	96.0	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.5	96.5
IVN 800	23.1	89.0	92.8	94.6	95.9	96.1	96.5	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.1	97.1
IVN 700	23.1	89.3	93.0	95.0	96.3	96.5	97.0	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.5	97.5
IVN 600	23.1	89.5	93.3	95.3	96.8	97.0	97.5	97.7	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.0
IVN 500	23.1	89.5	93.5	95.5	97.1	97.5	98.0	98.2	98.3	98.4	98.5	98.5	98.5	98.5	98.6	98.6
IVN 400	23.1	89.5	93.5	95.7	97.4	97.7	98.3	98.5	98.6	98.7	98.8	98.8	98.8	98.9	99.0	99.0
IVN 300	23.1	89.5	93.5	95.7	97.5	97.8	98.5	98.8	98.8	98.9	99.0	99.0	99.0	99.1	99.2	99.3
IVN 200	23.1	89.5	93.5	95.7	97.5	97.8	98.5	98.8	98.9	99.1	99.3	99.3	99.4	99.4	99.5	99.5
IVN 100	23.1	89.5	93.5	95.7	97.5	97.8	98.5	98.8	98.9	99.1	99.4	99.4	99.6	99.6	99.8	99.9
IVN 0	23.1	89.5	93.5	95.7	97.5	97.8	98.5	98.8	98.9	99.1	99.4	99.4	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2399

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-52

YEAR

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CL

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	4.4	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.4	38.4	38.4	38.4	38.4	38.4
≥ 20000	4.8	38.1	38.1	38.1	38.4	38.4	38.4	38.4	38.4	38.4	38.7	38.7	38.7	38.7	38.7	38.7
N 18000	4.8	38.7	38.7	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.4	39.4	39.4	39.4	39.4	39.4
≥ 14000	4.8	38.7	38.7	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.4	39.4	39.4	39.4	39.4	39.4
N 14000	4.8	38.7	38.7	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.4	39.4	39.4	39.4	39.4	39.4
≥ 12000	4.8	38.7	38.7	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.4	39.4	39.4	39.4	39.4	39.4
N 10000	4.8	38.7	39.0	39.0	39.4	39.4	39.4	39.4	39.4	39.4	39.7	39.7	39.7	39.7	39.7	39.7
≥ 9000	4.8	39.0	39.0	39.0	39.4	39.4	39.4	39.4	39.4	39.4	39.7	39.7	39.7	39.7	39.7	39.7
N 8000	4.8	39.4	39.4	39.4	39.7	39.7	39.7	39.7	39.7	39.7	40.0	40.0	40.0	40.0	40.0	40.0
≥ 7000	4.8	39.4	39.4	39.4	39.7	39.7	39.7	39.7	39.7	39.7	40.0	40.0	40.0	40.0	40.0	40.0
N 6000	4.8	39.4	39.4	39.4	39.7	39.7	39.7	39.7	39.7	39.7	40.0	40.0	40.0	40.0	40.0	40.0
≥ 5000	4.8	39.4	39.4	39.4	39.7	39.7	39.7	39.7	39.7	39.7	40.0	40.0	40.0	40.0	40.0	40.0
N 4500	5.2	39.7	39.7	39.7	40.0	40.0	40.0	40.0	40.0	40.0	40.3	40.3	40.3	40.3	40.3	40.3
≥ 4000	5.2	40.0	40.0	40.0	40.3	40.3	40.3	40.3	40.3	40.3	40.6	40.6	40.6	40.6	40.6	40.6
N 3500	5.6	44.5	44.5	44.5	44.8	44.8	44.8	44.8	44.8	44.8	45.2	45.2	45.2	45.2	45.2	45.2
≥ 3000	5.6	44.5	44.5	44.5	44.8	44.8	44.8	44.8	44.8	44.8	45.2	45.2	45.2	45.2	45.2	45.2
N 2500	6.8	53.2	53.2	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9
≥ 2000	6.8	53.2	53.2	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9
N 1800	6.8	60.7	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3
≥ 1500	6.8	60.7	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3
N 1200	6.8	75.8	76.1	77.1	77.4	77.4	77.7	77.7	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1000	6.8	82.6	83.2	85.2	86.5	86.5	86.8	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1
N 900	6.8	83.8	84.2	86.1	87.7	87.7	88.1	88.1	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4
≥ 800	6.8	83.8	84.2	86.1	87.7	87.7	88.1	88.1	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4
N 700	6.8	84.8	85.5	88.1	90.0	90.0	91.0	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3
≥ 600	6.8	84.8	85.5	88.1	90.0	90.0	91.0	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3
N 500	6.8	86.1	87.1	89.7	91.9	91.9	92.9	92.9	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2
≥ 400	6.8	86.1	87.1	89.7	91.9	91.9	92.9	92.9	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2
N 300	6.8	87.1	88.7	91.9	94.5	94.5	96.1	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	6.8	87.1	88.7	91.9	94.5	94.5	96.1	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8
N 100	6.8	87.1	88.7	92.3	94.8	94.8	96.8	97.1	97.1	97.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	6.8	87.1	88.7	92.3	94.8	94.8	96.8	97.1	97.1	97.1	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEARS

4AY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)14
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.5	25.7	3.5	3.5	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	31.0	31.0	31.7	31.7
≥ 20000	4.5	31.3	31.0	31.9	31.0	31.9	31.9	31.9	31.9	31.9	31.9	31.9	32.6	32.6	32.6	32.6
IV 18000	4.5	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.9	32.9	32.9	32.9
IV 16000	4.5	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.9	32.9	32.9	32.9
IV 14000	4.5	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.9	32.9	32.9	32.9
IV 12000	4.5	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.9	32.9	32.9	32.9
IV 10000	4.5	32.9	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	34.2	34.2	34.2	34.2
IV 9000	4.5	32.9	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	34.2	34.2	34.2	34.2
IV 8000	4.5	33.2	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.5	34.5	34.5	34.5
IV 7000	4.5	33.2	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.5	34.5	34.5	34.5
IV 6000	4.5	33.2	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.5	34.5	34.5	34.5
IV 5000	4.5	33.6	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.8	34.8	34.8	34.8
IV 4500	4.5	33.6	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.8	34.8	34.8	34.8
IV 4000	5.9	36.5	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.7	37.7	37.7	37.7
IV 3500	5.9	36.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	40.0	40.0	40.0	40.0
IV 3000	5.9	42.9	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	44.2	44.2	44.2	44.2
IV 2500	6.1	46.8	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	48.1	48.1	48.1	48.1
IV 2000	6.1	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.6	53.6	53.6	53.6
IV 1800	6.1	55.2	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	56.5	56.5	56.5	56.5
IV 1500	6.1	67.1	67.7	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.4	69.4	69.4	69.4
IV 1200	6.1	72.9	73.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.5	75.5	75.5	75.5
IV 1000	6.1	78.4	79.7	80.3	82.3	82.3	82.3	82.6	82.6	82.6	82.6	82.6	83.2	83.2	83.2	83.2
IV 900	6.1	79.7	81.0	81.6	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2	85.2
IV 800	6.1	80.3	81.3	82.3	84.8	84.8	85.5	85.5	85.5	85.5	85.5	85.5	86.1	86.1	86.1	86.1
IV 700	6.1	81.6	83.2	84.5	87.7	88.1	88.7	88.7	88.7	88.7	88.7	88.7	89.4	89.4	89.4	89.4
IV 600	6.1	82.9	85.2	87.1	90.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	92.3	92.3	92.3	92.3
IV 500	6.1	82.9	85.2	88.1	91.9	92.3	93.2	93.2	93.2	93.2	93.2	93.2	93.9	93.9	93.9	93.9
IV 400	6.1	82.9	85.8	88.7	93.2	93.9	95.2	95.5	95.5	95.5	95.5	95.5	96.1	96.1	96.1	96.1
IV 300	6.1	82.9	85.8	88.7	93.2	93.9	95.2	95.8	95.8	95.8	95.8	95.8	96.8	96.8	96.8	96.8
IV 200	6.1	82.9	85.8	88.7	93.2	93.9	95.2	96.1	96.1	96.8	96.8	96.8	97.7	97.7	97.7	98.1
IV 100	6.1	82.9	85.8	88.7	93.2	93.9	95.2	96.1	96.1	97.1	97.1	97.1	98.1	98.1	98.7	99.4
IV 0	6.1	82.9	85.8	88.7	93.2	93.9	95.2	96.1	96.1	97.1	97.1	97.1	98.1	98.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA

73-82

MAY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

17

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	5.8	25.2	26.8	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.4	27.4	27.4	27.4	27.4	27.4
≥ 20000	5.8	25.8	27.4	27.7	27.7	27.7	27.7	27.7	27.7	28.1	28.1	28.1	28.1	28.1	28.1	28.1
≥ 18000	5.8	26.1	27.7	28.1	28.1	28.1	28.1	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 16000	5.8	26.1	27.7	28.1	28.1	28.1	28.1	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 14000	5.8	26.1	27.7	28.1	28.1	28.1	28.1	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 12000	5.8	26.1	27.7	28.1	28.1	28.1	28.1	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 10000	6.1	27.4	29.0	29.4	29.4	29.4	29.4	29.4	29.4	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 9000	6.1	27.4	29.0	29.4	29.4	29.4	29.4	29.4	29.4	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 8000	6.1	27.4	29.0	29.4	29.4	29.4	29.4	29.4	29.4	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 7000	6.1	27.7	29.4	29.7	29.7	29.7	29.7	29.7	29.7	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 6000	6.1	27.7	29.4	29.7	30.0	30.0	30.0	30.0	30.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 5000	6.1	28.1	30.0	30.3	30.7	30.7	30.7	30.7	30.7	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 4500	6.1	28.1	30.0	30.3	30.7	30.7	30.7	30.7	30.7	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 4000	6.8	30.7	32.9	33.2	33.6	33.6	33.6	33.6	33.6	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 3500	6.8	32.6	34.8	35.2	35.5	35.5	35.5	35.5	35.5	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 3000	6.8	37.1	40.0	40.7	41.0	41.0	41.0	41.0	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 2500	6.8	42.3	45.5	46.5	46.8	46.8	46.8	46.8	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 2000	7.1	48.7	51.9	53.6	54.2	54.2	54.2	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 1800	7.1	50.0	53.9	55.5	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 1500	7.1	59.4	64.2	67.1	68.7	68.7	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 1200	7.1	60.3	66.1	69.7	71.3	71.6	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 1000	7.4	63.6	71.9	78.1	81.9	83.6	83.6	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 900	7.4	64.2	72.6	79.4	83.2	84.8	84.8	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800	7.4	64.5	72.9	80.0	84.0	87.1	87.7	88.1	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	7.4	64.5	73.2	80.7	85.5	87.7	88.4	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 600	7.4	64.4	73.6	81.0	86.9	89.7	91.0	92.3	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	7.4	64.8	73.9	81.9	87.1	90.3	91.6	92.9	92.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5
≥ 400	7.4	64.8	73.9	81.9	87.7	91.3	92.9	94.5	94.5	95.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 300	7.4	64.8	73.9	81.9	87.7	91.3	93.2	94.8	94.8	96.5	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	7.4	64.8	73.9	81.9	87.7	91.3	93.2	94.8	94.8	96.5	97.7	97.7	97.7	97.7	97.7	97.7
≥ 100	7.4	64.8	73.9	81.9	87.7	91.3	93.2	94.8	94.8	96.5	97.7	97.7	97.7	97.7	97.7	97.7
≥ 0	7.4	64.8	73.9	81.9	87.7	91.3	93.2	94.8	94.8	96.5	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS

310

LIRNAVOCEANMET SMO5

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)1
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0
NO CEILING	5.0	34.5	34.4	42.0	45.4	45.8	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 18000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 16000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 14000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 12000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 10000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 9000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 8000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 7000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 6000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 5000	6.1	36.5	41.3	44.5	47.7	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 4500	6.1	37.1	41.9	45.2	48.4	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 4000	6.9	39.4	44.2	47.4	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 3500	6.9	41.6	46.5	49.7	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 3000	6.9	45.6	51.0	54.2	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 2500	8.1	55.8	61.6	65.2	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 2000	8.1	54.2	71.0	75.2	78.4	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 1800	8.1	65.8	73.2	77.7	81.0	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1500	8.7	70.3	79.4	86.5	89.7	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1200	8.7	72.3	82.6	90.7	94.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1000	8.7	72.6	83.6	92.8	96.8	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	8.7	72.9	83.9	93.6	97.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	8.7	73.2	84.2	94.2	98.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	8.7	73.2	84.2	94.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	8.7	73.2	84.2	94.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	8.7	73.2	84.2	94.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	8.7	73.2	84.2	94.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	8.7	73.2	84.2	94.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	8.7	73.2	84.2	94.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	8.7	73.2	84.2	94.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	8.7	73.2	84.2	94.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

72-32

YEAR

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13

NOV 22 (13 7)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	9.0	51.3	57.1	61.3	62.9	62.9	62.6	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 20000	9.0	52.9	58.7	61.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 18000	9.0	52.9	58.7	61.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 16000	9.0	52.9	58.7	61.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 14000	9.0	52.9	58.7	61.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 12000	9.0	52.9	58.7	61.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 10000	9.0	52.9	58.7	62.3	64.2	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 9000	9.0	52.9	58.7	62.3	64.2	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 8000	9.0	52.9	58.7	62.3	64.2	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 7000	9.0	53.6	59.4	62.9	64.8	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 6000	9.0	53.6	59.4	62.9	64.8	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 5000	9.0	53.6	59.4	62.9	64.8	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 4500	9.0	53.6	59.4	63.2	65.2	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000	9.0	53.6	59.4	63.2	65.2	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 3500	9.0	58.7	64.5	68.1	70.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3000	10.0	63.2	69.4	72.9	74.8	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2500	11.6	72.3	78.4	81.9	83.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000	11.9	76.5	82.6	86.8	89.3	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	11.9	76.5	82.6	87.1	89.4	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1500	12.3	84.5	91.0	93.9	96.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	12.3	84.5	91.0	95.5	98.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	12.3	84.5	91.3	95.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	12.3	84.5	91.3	95.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	12.3	84.5	91.3	95.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	12.3	84.5	91.3	95.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	12.3	84.5	91.3	95.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	12.3	84.5	91.3	95.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	12.3	84.5	91.3	95.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	12.3	84.5	91.3	95.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	12.3	84.5	91.3	95.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	12.3	84.5	91.3	95.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	12.3	84.5	91.3	95.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEARS

DAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	9.4	59.4	63.9	65.8	66.8	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 20000	10.0	61.9	66.5	69.7	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 18000	10.0	62.6	67.4	69.7	71.0	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 16000	10.0	62.6	67.7	70.0	71.3	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 14000	10.0	62.7	67.7	70.0	71.3	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 12000	10.0	63.6	68.4	70.7	71.9	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 10000	10.3	63.9	69.7	71.3	72.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 9000	10.3	63.9	69.7	71.3	72.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 8000	10.3	64.5	69.7	71.9	73.2	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 7000	10.3	64.5	69.7	71.9	73.2	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 6000	10.3	64.5	69.7	71.9	73.2	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 5000	10.3	65.2	70.3	72.6	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 4500	10.3	65.2	70.3	72.6	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 4000	10.3	66.0	71.3	73.6	74.8	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 3500	10.3	67.0	74.2	76.5	77.7	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 3000	10.7	73.2	78.4	80.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 2500	11.9	79.7	84.8	87.1	88.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2000	12.3	83.2	88.4	90.7	91.9	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1800	12.3	84.2	89.4	91.6	92.9	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1500	12.4	86.7	93.9	96.5	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1200	13.2	87.7	94.8	97.4	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	13.2	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	13.2	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	13.2	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	13.2	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	13.2	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	13.2	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	13.2	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	13.2	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	13.2	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	13.2	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	13.2	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	8.1	57.4	61.0	62.3	62.9	53.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	9.7	61.7	63.2	65.5	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 18000	8.7	61.0	63.6	65.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000	8.7	61.0	63.6	65.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000	8.7	61.0	63.6	65.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	9.4	61.6	64.5	66.8	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 10000	9.4	61.6	64.5	66.8	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 9000	9.4	61.6	64.5	66.8	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 8000	9.7	62.3	65.5	67.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000	9.7	62.3	65.5	67.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000	9.7	62.3	65.5	67.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	9.7	62.3	65.5	67.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4500	9.7	62.3	65.5	67.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4000	9.7	62.3	65.5	67.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3500	10.0	67.7	71.3	73.6	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	10.7	71.6	75.5	77.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	10.7	71.6	75.5	77.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	10.7	71.6	75.5	77.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	10.7	71.6	75.5	77.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1600	10.7	71.6	75.5	77.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1400	10.7	71.6	75.5	77.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1200	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 900	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 800	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 700	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 450	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 400	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 300	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 200	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 100	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 0	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-02

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	5.5	47.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 20000	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 18000	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 16000	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 14000	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 12000	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 10000	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 9000	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 8000	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 7000	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 6000	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 5000	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 4500	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 4000	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 3500	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 3000	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 2500	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 2000	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 1800	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 1500	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 1200	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 1000	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 900	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 800	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 700	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 600	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 500	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 400	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 300	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 200	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 100	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
W 0	5.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

MAY

MONTH

ALL

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1 1/8	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING	43.1	43.1	45.7	47.1	48.1	48.2	48.4	48.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 20000	44.0	47.2	48.7	49.7	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 18000	44.9	47.5	49.0	50.0	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 16000	44.9	47.5	49.0	50.0	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 14000	44.9	47.5	49.0	50.0	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 12000	45.2	47.8	49.3	50.3	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 10000	45.7	48.4	49.9	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 8000	45.7	48.4	49.9	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 7000	45.7	48.4	49.9	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 6000	46.1	48.7	50.4	51.5	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 5000	46.6	49.4	50.9	52.0	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 4500	46.9	49.6	51.2	52.2	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 4000	46.9	49.6	51.2	52.2	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 3500	51.3	54.2	55.7	56.7	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 3000	51.3	54.2	55.7	56.7	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 2500	61.9	64.1	65.4	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 2000	61.9	64.1	65.4	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 1800	67.9	71.4	73.3	74.5	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 1500	75.2	79.3	82.0	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 1200	76.2	82.4	85.4	86.4	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1000	81.9	85.8	89.6	91.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 900	81.9	85.8	89.6	91.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 800	81.9	85.8	89.6	91.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 700	82.3	87.3	91.6	94.4	95.0	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 600	82.3	87.3	91.6	94.4	95.0	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 500	82.9	88.2	92.9	95.9	96.7	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 400	82.9	88.2	92.9	95.9	96.7	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 300	83.4	88.4	93.2	96.4	97.2	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 200	83.0	88.4	93.2	96.4	97.3	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 100	83.0	88.4	93.2	96.4	97.3	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 0	83.0	88.4	93.2	96.4	97.3	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 2487

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

FL 7000, CALIFORNIA

73-82

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)1
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	6.7	45.6	46.1	46.7	46.7	46.7	47.3	47.7	47.3	47.7	47.7	47.7	48.0	48.0	48.0	48.0
≥ 20000	6.7	45.6	46.3	47.0	47.7	47.7	47.7	47.7	47.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 18000	6.7	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.3	48.3	48.3	48.7	48.7	48.7	48.7
≥ 16000	6.7	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.3	48.3	48.3	48.7	48.7	48.7	48.7
≥ 14000	6.7	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.3	48.3	48.3	48.7	48.7	48.7	48.7
≥ 12000	6.7	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.3	48.3	48.3	48.7	48.7	48.7	48.7
≥ 10000	6.7	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.3	48.3	48.3	48.7	48.7	48.7	48.7
≥ 9000	6.7	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.3	48.3	48.3	48.7	48.7	48.7	48.7
≥ 8000	6.7	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.3	48.3	48.3	48.7	48.7	48.7	48.7
≥ 7000	6.7	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.3	48.3	48.3	48.7	48.7	48.7	48.7
≥ 6000	6.7	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.3	48.3	48.3	48.7	48.7	48.7	48.7
≥ 5000	6.7	47.3	47.3	47.7	47.7	47.7	48.3	48.3	48.3	48.7	48.7	48.7	49.0	49.0	49.0	49.0
≥ 4500	6.7	47.3	47.3	47.7	47.7	47.7	48.3	48.3	48.3	48.7	48.7	48.7	49.0	49.0	49.0	49.0
≥ 4000	6.7	47.3	47.3	48.0	48.0	48.0	48.7	48.7	48.7	49.0	49.0	49.0	49.3	49.3	49.3	49.3
≥ 3500	6.7	47.3	47.3	48.0	48.0	48.0	48.7	48.7	48.7	49.0	49.0	49.0	49.3	49.3	49.3	49.3
≥ 3000	6.7	48.0	48.0	48.7	48.7	48.7	49.0	49.0	49.0	49.3	49.3	49.3	49.7	49.7	49.7	49.7
≥ 2500	7.0	52.0	52.0	52.7	52.7	52.7	53.3	53.3	53.3	53.7	53.7	53.7	54.0	54.0	54.0	54.0
≥ 2000	7.0	53.7	53.7	54.3	54.3	54.3	55.0	55.0	55.0	55.3	55.3	55.3	55.7	55.7	55.7	55.7
≥ 1800	7.0	55.0	55.0	55.7	55.7	55.7	56.3	56.3	56.3	56.7	56.7	56.7	57.0	57.0	57.0	57.0
≥ 1500	7.0	56.7	56.7	57.3	57.3	57.3	58.0	58.0	58.0	58.3	58.3	58.3	58.7	58.7	58.7	58.7
≥ 1200	7.0	57.3	57.3	58.0	58.0	58.0	58.7	58.7	58.7	59.0	59.0	59.0	59.3	59.3	59.3	59.3
≥ 1000	7.0	58.0	58.0	58.7	58.7	58.7	59.3	59.3	59.3	59.7	59.7	59.7	60.0	60.0	60.0	60.0
≥ 900	7.0	58.7	58.7	59.3	59.3	59.3	59.7	59.7	59.7	60.0	60.0	60.0	60.3	60.3	60.3	60.3
≥ 800	7.0	59.3	59.3	59.7	59.7	59.7	60.0	60.0	60.0	60.3	60.3	60.3	60.7	60.7	60.7	60.7
≥ 700	7.0	59.7	59.7	60.0	60.0	60.0	60.3	60.3	60.3	60.7	60.7	60.7	61.0	61.0	61.0	61.0
≥ 600	7.0	60.0	60.0	60.3	60.3	60.3	60.7	60.7	60.7	61.0	61.0	61.0	61.3	61.3	61.3	61.3
≥ 500	7.0	60.3	60.3	60.7	60.7	60.7	61.0	61.0	61.0	61.3	61.3	61.3	61.7	61.7	61.7	61.7
≥ 400	7.0	60.7	60.7	61.0	61.0	61.0	61.3	61.3	61.3	61.7	61.7	61.7	62.0	62.0	62.0	62.0
≥ 300	7.0	61.0	61.0	61.3	61.3	61.3	61.7	61.7	61.7	62.0	62.0	62.0	62.3	62.3	62.3	62.3
≥ 200	7.0	61.3	61.3	61.7	61.7	61.7	62.0	62.0	62.0	62.3	62.3	62.3	62.7	62.7	62.7	62.7
≥ 100	7.0	61.7	61.7	62.0	62.0	62.0	62.3	62.3	62.3	62.7	62.7	62.7	63.0	63.0	63.0	63.0
≥ 0	7.0	62.0	62.0	62.3	62.3	62.3	62.7	62.7	62.7	63.0	63.0	63.0	63.3	63.3	63.3	63.3

TOTAL NUMBER OF OBSERVATIONS 390

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
 EL TORO, CALIFORNIA

73-82

YEAR
 1974

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH
 JUN
 1974
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	3.7	35.3	35.7	35.7	35.7	35.7	35.7	36.3	36.3	36.7	37.0	37.0	37.0	37.3	37.7
≥ 20000	3.7	35.7	36.0	36.0	36.0	36.0	36.0	36.7	36.7	37.0	37.3	37.3	37.3	37.7	38.0
≥ 18000	3.7	35.7	36.0	36.0	36.0	36.0	36.0	36.7	36.7	37.0	37.3	37.3	37.3	37.7	38.0
≥ 16000	3.7	35.7	36.0	36.0	36.0	36.0	36.0	36.7	36.7	37.0	37.3	37.3	37.3	37.7	38.0
≥ 14000	3.7	35.7	36.0	36.0	36.0	36.0	36.0	36.7	36.7	37.0	37.3	37.3	37.3	37.7	38.0
≥ 12000	3.7	36.3	36.7	36.7	36.7	36.7	36.7	37.3	37.3	37.7	38.0	38.0	38.0	38.3	38.7
≥ 10000	3.7	36.3	36.7	36.7	36.7	36.7	36.7	37.3	37.3	37.7	38.0	38.0	38.0	38.3	38.7
≥ 9000	3.7	36.3	36.7	36.7	36.7	36.7	36.7	37.3	37.3	37.7	38.0	38.0	38.0	38.3	38.7
≥ 8000	3.7	36.3	36.7	36.7	36.7	36.7	36.7	37.3	37.3	37.7	38.0	38.0	38.0	38.3	38.7
≥ 7000	3.7	36.3	36.7	36.7	36.7	36.7	36.7	37.3	37.3	37.7	38.0	38.0	38.0	38.3	38.7
≥ 6000	3.7	36.3	36.7	36.7	36.7	36.7	36.7	37.3	37.3	37.7	38.0	38.0	38.0	38.3	38.7
≥ 5000	3.7	37.0	37.3	37.3	37.3	37.3	37.3	38.0	38.0	38.3	38.7	38.7	38.7	39.0	39.3
≥ 4500	3.7	37.0	37.3	37.3	37.3	37.3	37.3	38.0	38.0	38.3	38.7	38.7	38.7	39.0	39.3
≥ 4000	3.7	37.0	37.3	37.3	37.3	37.3	37.3	38.0	38.0	38.3	38.7	38.7	38.7	39.0	39.3
≥ 3500	4.0	37.7	38.0	38.0	38.0	38.0	38.0	38.7	38.7	39.0	39.3	39.3	39.3	39.7	40.0
≥ 3000	4.3	37.7	38.0	38.0	38.0	38.0	38.0	38.7	38.7	39.0	39.3	39.3	39.3	39.7	40.0
≥ 2500	4.7	41.0	41.3	41.3	41.3	41.3	41.3	42.0	42.0	42.3	42.7	42.7	42.7	43.0	43.3
≥ 2000	5.0	44.3	44.7	45.0	45.0	45.0	45.0	45.7	45.7	46.0	46.3	46.3	46.3	46.7	47.0
≥ 1800	5.3	40.7	47.0	47.3	47.3	47.3	47.3	48.0	48.0	48.3	48.7	48.7	48.7	49.0	49.3
≥ 1500	5.7	50.3	51.0	52.0	52.0	52.0	52.0	52.7	52.7	53.0	53.3	53.3	53.3	53.7	54.0
≥ 1200	6.3	57.0	57.7	58.7	59.0	59.0	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.7	61.0
≥ 1000	6.7	66.3	67.3	69.7	71.0	71.0	71.0	72.3	72.3	72.7	73.0	73.0	73.0	73.3	73.7
≥ 900	6.7	70.0	71.3	74.3	75.7	75.7	75.7	76.0	77.0	77.3	77.7	77.7	77.7	78.0	78.3
≥ 800	6.7	71.3	73.3	76.7	79.3	79.3	79.3	80.7	81.7	81.0	81.3	81.3	81.3	81.7	82.0
≥ 700	6.7	73.0	75.7	81.0	83.0	83.0	83.7	84.7	85.7	85.0	85.3	85.3	85.3	85.7	86.0
≥ 600	6.7	75.0	78.3	83.0	86.3	86.7	87.3	88.3	89.3	88.7	89.0	89.0	89.0	89.3	89.7
≥ 500	6.7	75.0	78.3	83.0	86.3	87.3	88.7	89.7	90.3	90.7	90.7	90.7	90.7	91.0	91.3
≥ 400	6.7	75.0	78.7	83.7	88.3	89.0	90.7	92.0	92.0	92.7	93.0	93.0	93.0	93.3	93.7
≥ 300	6.7	75.0	78.7	84.0	88.7	89.7	91.3	92.7	92.7	93.7	94.0	94.0	94.0	94.3	94.7
≥ 200	6.7	75.3	79.7	84.3	89.7	90.3	92.0	93.3	93.3	94.7	95.0	95.0	95.0	95.3	95.7
≥ 100	6.7	75.3	79.0	84.3	89.3	90.7	92.3	94.0	94.3	95.3	95.7	95.7	95.7	96.0	96.3
≥ 0	6.7	75.3	79.0	84.3	89.3	90.7	92.3	94.0	94.3	95.3	95.7	95.7	95.7	96.0	96.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NO. 11 22 STATION NAME EL TORO, CALIFORNIA YEARS 73-72 MONTHS JUN DAY 07 HOURS (LST) 1

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	4.3	2.7	31.3	31.7	33.1	33.7	34.0	34.0	34.0	34.7	35.0	35.0	35.0	35.0	35.0	35.0
≥ 20000	4.3	3.7	32.3	32.7	34.7	34.7	35.0	35.0	35.0	35.7	36.0	36.0	36.0	36.0	36.0	36.0
≥ 18000	4.3	3.7	32.3	32.7	34.7	34.7	35.0	35.0	35.0	35.7	36.0	36.0	36.0	36.0	36.0	36.0
≥ 16000	4.3	3.7	32.3	32.7	34.7	34.7	35.0	35.0	35.0	35.7	36.0	36.0	36.0	36.0	36.0	36.0
≥ 14000	4.3	3.7	32.3	32.7	34.7	34.7	35.0	35.0	35.0	35.7	36.0	36.0	36.0	36.0	36.0	36.0
≥ 12000	4.3	3.7	32.3	32.7	34.7	34.7	35.0	35.0	35.0	35.7	36.0	36.0	36.0	36.0	36.0	36.0
≥ 10000	4.3	3.7	32.3	32.7	34.7	34.7	35.0	35.0	35.0	35.7	36.0	36.0	36.0	36.0	36.0	36.0
≥ 9000	4.3	3.7	32.3	32.7	34.7	34.7	35.0	35.0	35.0	35.7	36.0	36.0	36.0	36.0	36.0	36.0
≥ 8000	4.3	3.7	32.3	32.7	34.7	34.7	35.0	35.0	35.0	35.7	36.0	36.0	36.0	36.0	36.0	36.0
≥ 7000	4.3	3.7	32.3	32.7	34.7	34.7	35.0	35.0	35.0	35.7	36.0	36.0	36.0	36.0	36.0	36.0
≥ 6000	4.3	3.7	32.3	32.7	34.7	34.7	35.0	35.0	35.0	35.7	36.0	36.0	36.0	36.0	36.0	36.0
≥ 5000	4.3	3.7	32.3	32.7	34.7	34.7	35.0	35.0	35.0	35.7	36.0	36.0	36.0	36.0	36.0	36.0
≥ 4500	4.3	3.7	32.3	32.7	34.7	34.7	35.0	35.0	35.0	35.7	36.0	36.0	36.0	36.0	36.0	36.0
≥ 4000	4.3	3.7	32.3	32.7	34.7	34.7	35.0	35.0	35.0	35.7	36.0	36.0	36.0	36.0	36.0	36.0
≥ 3500	5.7	3.7	35.3	35.7	37.3	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0
≥ 3000	5.7	3.7	35.3	35.7	37.3	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0
≥ 2500	5.7	3.7	35.3	35.7	37.3	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0
≥ 2000	5.7	3.7	35.3	35.7	37.3	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0
≥ 1800	5.7	3.7	35.3	35.7	37.3	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0
≥ 1500	5.7	3.7	35.3	35.7	37.3	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0
≥ 1200	5.7	3.7	35.3	35.7	37.3	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0
≥ 1000	5.7	3.7	35.3	35.7	37.3	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0
≥ 900	5.7	3.7	35.3	35.7	37.3	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0
≥ 800	5.7	3.7	35.3	35.7	37.3	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0
≥ 700	5.7	3.7	35.3	35.7	37.3	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0
≥ 600	5.7	3.7	35.3	35.7	37.3	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0
≥ 500	5.7	3.7	35.3	35.7	37.3	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0
≥ 400	5.7	3.7	35.3	35.7	37.3	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0
≥ 300	5.7	3.7	35.3	35.7	37.3	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0
≥ 200	5.7	3.7	35.3	35.7	37.3	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0
≥ 100	5.7	3.7	35.3	35.7	37.3	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0
≥ 0	5.7	3.7	35.3	35.7	37.3	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

73-82

YEAR

JUN

MONTH

10

DOGS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.3	47.3	55.7	62.0	68.7	68.7	69.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 20000	4.3	5.3	56.7	63.0	67.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 18000	4.3	50.3	56.7	63.0	67.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 16000	4.3	50.3	56.7	63.0	67.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 14000	4.3	50.7	57.0	63.7	68.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 12000	4.3	50.7	57.0	63.7	68.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000	4.3	51.3	57.7	64.3	69.3	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 9000	4.3	51.3	57.7	64.3	69.3	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 8000	4.3	51.3	57.7	64.3	69.3	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 7000	4.3	51.3	57.7	64.3	69.3	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 6000	4.3	51.3	57.7	64.3	69.3	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 5000	4.3	51.7	58.0	64.7	69.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4500	4.3	51.7	58.0	64.7	69.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4000	4.7	52.3	58.7	65.3	70.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	5.0	53.7	60.3	67.0	71.7	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3000	5.7	54.7	61.3	68.0	72.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2500	5.7	56.3	63.7	69.7	74.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 2000	6.0	57.7	66.7	74.0	79.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1800	6.0	60.7	68.0	75.3	80.7	82.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1600	6.3	60.0	73.0	82.0	88.0	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1400	6.3	60.3	76.7	85.3	92.3	93.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	6.3	67.3	77.7	87.7	94.7	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	6.3	67.0	77.7	88.0	95.7	98.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	6.3	67.0	77.7	88.0	95.7	98.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	6.3	67.0	77.7	88.0	95.7	98.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	6.3	67.3	78.0	88.3	95.3	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	6.3	67.3	78.0	88.3	95.3	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	6.3	67.3	78.0	88.3	95.3	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	6.3	67.3	78.0	88.3	95.3	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	6.3	67.3	78.0	88.3	95.3	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	6.3	67.3	78.0	88.3	95.3	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	6.3	67.3	78.0	88.3	95.3	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	6.3	67.3	78.0	88.3	95.3	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
EL TORO, CALIFORNIA

73-82

JUN

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	7.3	44.3	71.0	77.3	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 20000	7.3	44.3	72.7	79.0	81.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 18000	7.3	45.3	72.7	79.0	81.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 16000	7.3	45.3	72.7	79.0	81.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 14000	7.3	45.3	72.7	79.0	81.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 12000	7.3	45.3	73.3	79.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 10000	7.3	46.0	73.3	79.7	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 9000	7.3	46.0	73.3	79.7	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 8000	7.3	46.3	73.7	80.0	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 7000	7.3	46.3	73.7	80.0	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 6000	7.3	46.7	74.3	80.3	83.7	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 5000	7.7	47.3	74.7	81.0	83.7	83.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4500	7.7	47.3	74.7	81.0	83.7	83.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4000	7.7	46.7	76.0	82.3	85.0	85.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3500	9.3	71.0	77.3	83.7	86.3	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 3000	9.3	71.7	79.3	85.3	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2500	9.3	74.3	81.3	88.0	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2000	9.3	75.0	83.0	90.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1800	9.7	75.3	83.3	90.3	93.0	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1500	10.3	75.7	86.7	93.7	97.0	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	10.3	77.7	88.7	95.0	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	10.3	78.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL YORO, CALIFORNIA

STATION NAME

73-82

YEAR

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	11.7	73.7	81.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 20000	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 18000	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 14000	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 10000	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 8000	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 6000	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 5000	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 4500	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 4000	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 3500	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 3000	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 2500	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 2000	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 1800	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 1500	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 1200	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 1000	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 900	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 800	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 700	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 600	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 500	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 400	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 300	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 200	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 100	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
WV 0	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

73-82

YEARS

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19

HOURLY (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	17.7	73.7	76.3	77.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 20000	20.7	75.7	79.0	80.0	81.0	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 18000	17.7	76.3	79.7	80.7	81.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 14000	17.7	76.3	79.7	80.7	81.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 14000	17.7	76.7	80.0	81.0	82.0	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 12000	17.7	77.7	81.7	82.0	83.0	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 10000	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 9000	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 8000	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 7000	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 6000	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 5000	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4500	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4000	17.7	78.0	81.7	82.7	83.7	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3500	17.7	79.3	82.7	83.7	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3000	17.7	80.7	84.7	85.0	86.0	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 2500	17.7	82.0	85.7	86.7	87.7	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2000	17.7	84.0	88.3	89.3	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1800	17.7	85.0	89.3	90.3	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1500	17.7	86.3	90.0	91.0	92.0	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1200	17.7	87.0	91.3	92.3	93.3	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1000	17.7	87.7	91.7	92.7	93.7	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 900	17.7	87.7	91.7	92.7	93.7	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 800	17.7	87.7	91.7	92.7	93.7	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 700	17.7	87.7	91.7	92.7	93.7	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 600	17.7	87.7	91.7	92.7	93.7	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 500	17.7	87.7	91.7	92.7	93.7	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 400	17.7	87.7	91.7	92.7	93.7	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 300	17.7	87.7	91.7	92.7	93.7	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 200	17.7	87.7	91.7	92.7	93.7	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 100	17.7	87.7	91.7	92.7	93.7	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 0	17.7	87.7	91.7	92.7	93.7	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

JUN

MONTH

22

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	9.7	60.3	60.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 20000	9.7	62.3	62.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
18000	9.7	62.3	62.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
16000	9.7	62.3	62.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
14000	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
12000	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
10000	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
9000	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
8000	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
7000	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
6000	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
5000	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
4500	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
4000	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
3500	10.0	64.3	65.0	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
3000	10.0	65.3	66.0	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
2500	10.0	67.3	68.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
2000	10.0	69.3	70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
1800	10.3	70.0	70.7	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
1500	11.3	75.3	76.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
1200	11.3	80.7	81.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
1000	11.7	87.3	88.3	90.3	91.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
900	11.7	89.7	91.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
800	11.7	90.7	92.3	94.7	95.3	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
700	11.7	91.3	93.3	96.0	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
600	11.7	91.7	93.7	97.0	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
500	11.7	91.7	93.7	97.3	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	11.7	91.7	94.7	97.7	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
300	11.7	91.7	94.0	97.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	11.7	91.7	94.0	97.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	11.7	91.7	94.0	97.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	11.7	91.7	94.0	97.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
1

EL TORO, CALIFORNIA

STATION NAME

73-82

YEARS

JUN

MONTH

ALL

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	¾	≥ 0
NO CEILING	7.3	54.4	57.1	59.0	60.9	61.2	61.5	61.6	61.6	61.8	61.8	61.8	61.9	61.9	62.7	62.7
≥ 20000	7.4	55.4	58.7	61.1	62.5	62.9	63.3	63.3	63.3	63.5	63.6	63.6	63.6	63.7	63.7	63.7
≥ 18000	7.4	55.5	58.8	61.3	62.7	63.0	63.4	63.5	63.5	63.6	63.7	63.7	63.8	63.8	63.8	63.8
≥ 16000	7.4	55.5	58.8	61.3	62.7	63.0	63.4	63.5	63.5	63.6	63.7	63.7	63.8	63.8	63.8	63.8
≥ 14000	7.4	55.7	59.0	61.5	62.9	63.3	63.6	63.7	63.7	63.8	63.9	63.9	64.3	64.0	64.0	64.0
≥ 12000	7.4	56.1	59.3	61.8	63.3	63.6	64.0	64.0	64.0	64.2	64.3	64.3	64.3	64.4	64.4	64.4
≥ 10000	7.4	56.4	59.6	62.1	63.5	63.9	64.3	64.3	64.3	64.5	64.6	64.6	64.6	64.7	64.7	64.7
≥ 9000	7.4	56.4	59.6	62.1	63.5	63.9	64.3	64.3	64.3	64.5	64.6	64.6	64.6	64.7	64.7	64.7
≥ 8000	7.4	56.5	59.8	62.3	63.7	64.0	64.4	64.5	64.5	64.6	64.7	64.7	64.8	64.8	64.8	64.8
≥ 7000	7.4	56.5	59.8	62.3	63.7	64.0	64.4	64.5	64.5	64.6	64.7	64.7	64.8	64.8	64.8	64.8
≥ 6000	7.4	56.5	59.8	62.3	63.7	64.1	64.4	64.5	64.5	64.7	64.8	64.8	64.8	64.8	64.9	64.9
≥ 5000	7.5	56.9	61.1	62.8	64.0	64.4	64.8	64.8	64.8	65.0	65.1	65.1	65.1	65.2	65.2	65.2
≥ 4500	7.5	56.9	61.1	62.8	64.0	64.4	64.8	64.8	64.8	65.0	65.1	65.1	65.1	65.2	65.2	65.2
≥ 4000	7.7	57.4	61.7	63.4	64.6	65.0	65.3	65.4	65.4	65.5	65.7	65.7	65.7	65.8	65.8	65.8
≥ 3500	8.0	58.3	61.6	64.1	65.5	65.9	66.2	66.3	66.3	66.5	66.5	66.5	66.6	66.6	66.7	66.7
≥ 3000	8.1	58.5	62.9	65.4	66.8	67.2	67.5	67.6	67.6	67.8	67.8	67.8	67.9	67.9	68.0	68.0
≥ 2500	8.3	61.5	64.9	67.5	69.9	69.3	69.6	69.7	69.7	69.8	69.9	69.9	70.0	70.0	70.0	70.0
≥ 2000	8.5	63.8	67.5	71.3	71.8	72.2	72.6	72.7	72.7	72.8	72.9	72.9	73.0	73.0	73.0	73.0
≥ 1800	8.7	64.8	68.5	71.3	72.8	73.2	73.6	73.7	73.7	73.8	73.9	73.9	74.0	74.0	74.0	74.0
≥ 1500	9.1	65.6	73.2	76.8	78.5	78.9	79.3	79.4	79.4	79.6	79.7	79.7	79.7	79.8	79.8	79.8
≥ 1200	9.3	71.9	77.0	81.0	83.0	83.5	84.0	84.0	84.0	84.2	84.3	84.3	84.3	84.4	84.4	84.4
≥ 1000	9.4	75.7	81.5	86.2	88.8	89.4	90.0	90.2	90.2	90.4	90.5	90.5	90.5	90.5	90.6	90.6
≥ 900	9.4	76.6	82.8	87.4	90.5	91.2	91.9	92.1	92.1	92.3	92.3	92.3	92.4	92.4	92.5	92.5
≥ 800	9.4	77.6	83.7	88.9	92.1	92.8	93.6	93.8	93.8	94.0	94.0	94.0	94.1	94.1	94.2	94.2
≥ 700	9.4	78.1	84.4	89.9	93.6	94.4	95.4	95.6	95.6	95.8	96.0	96.0	96.0	96.0	96.1	96.1
≥ 600	9.4	78.4	84.9	90.7	94.5	95.4	96.5	96.8	96.8	97.0	97.1	97.1	97.2	97.2	97.3	97.3
≥ 500	9.4	78.4	84.9	90.7	94.5	95.4	96.5	96.8	96.8	97.0	97.1	97.1	97.2	97.2	97.3	97.3
≥ 400	9.4	78.4	84.9	90.7	94.5	95.4	96.5	96.8	96.8	97.0	97.1	97.1	97.2	97.2	97.3	97.3
≥ 300	9.4	78.4	84.9	90.7	94.5	95.4	96.5	96.8	96.8	97.0	97.1	97.1	97.2	97.2	97.3	97.3
≥ 200	9.4	78.4	84.9	90.7	94.5	95.4	96.5	96.8	96.8	97.0	97.1	97.1	97.2	97.2	97.3	97.3
≥ 100	9.4	78.4	84.9	90.7	94.5	95.4	96.5	96.8	96.8	97.0	97.1	97.1	97.2	97.2	97.3	97.3
≥ 0	9.4	78.4	84.9	90.7	94.5	95.4	96.5	96.8	96.8	97.0	97.1	97.1	97.2	97.2	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

61

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	2.3	51.3	51.6	52.6	52.6	52.6	53.2	53.2	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	2.3	50.5	51.6	52.6	52.6	52.6	53.2	53.2	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 18000	2.3	50.3	51.6	52.6	52.6	52.6	53.2	53.2	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 16000	2.3	50.3	51.6	52.6	52.6	52.6	53.2	53.2	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 14000	2.3	51.3	52.6	53.6	53.6	53.6	54.2	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 12000	2.3	51.3	52.6	53.6	53.6	53.6	54.2	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 10000	2.3	53.6	54.8	55.8	55.8	55.8	56.5	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 9000	2.3	53.6	54.8	55.8	55.8	55.8	56.5	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 8000	2.3	53.9	55.2	56.1	56.1	56.1	56.8	56.8	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 7000	2.3	53.9	55.2	56.1	56.1	56.1	56.8	56.8	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 6000	2.3	53.9	55.2	56.1	56.1	56.1	56.8	56.8	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 5000	2.3	54.2	55.5	56.5	56.5	56.5	57.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 4500	2.3	54.2	55.5	56.5	56.5	56.5	57.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 4000	2.3	54.2	55.5	56.5	56.5	56.5	57.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 3500	2.3	54.5	55.8	56.8	56.8	56.8	57.4	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 3000	2.3	54.5	55.8	56.8	56.8	56.8	57.4	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 2500	2.3	54.5	55.8	56.8	56.8	56.8	57.4	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 2000	2.3	55.5	56.8	57.7	57.7	57.7	58.4	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1800	2.3	56.5	57.7	58.7	58.7	58.7	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1500	2.6	61.9	63.2	64.5	64.5	64.5	65.2	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 1200	3.4	71.6	72.9	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 1000	3.6	62.6	64.2	66.8	66.8	66.8	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 900	3.9	65.5	67.4	69.4	69.4	69.4	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 800	3.9	66.8	68.7	71.3	71.3	71.3	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 700	3.9	66.1	68.7	71.3	71.3	71.3	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 600	3.9	68.7	71.3	73.9	73.9	73.9	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 500	3.9	68.7	71.3	73.9	73.9	73.9	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 400	3.9	68.7	72.3	75.2	75.2	75.2	76.5	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 300	3.9	68.7	72.3	75.2	75.2	75.2	76.5	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 200	3.9	68.7	72.3	75.2	75.2	75.2	76.5	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 100	3.9	68.7	72.3	75.2	75.2	75.2	76.5	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 0	3.9	68.7	72.3	75.2	75.2	75.2	76.5	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8

TOTAL NUMBER OF OBSERVATIONS 510

DIRNAVOCEANMET 5M06

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-42

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

04

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	1.0	35.5	37.4	38.7	39.0	39.4	39.6	39.7	39.7	39.7	39.7	39.7	39.7	40.0	40.0	40.7
≥ 20000	1.0	35.6	37.7	39.0	39.4	39.4	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.3	40.3	41.0
IV 18000	1.0	35.8	37.7	39.0	39.4	39.4	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.3	40.3	41.0
IV 16000	1.0	35.6	37.7	39.0	39.4	39.4	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.3	40.3	41.0
IV 14000	1.0	36.1	38.1	39.4	39.7	39.7	39.7	40.3	40.3	40.3	40.3	40.3	40.3	40.7	40.7	41.3
IV 12000	1.0	36.8	38.7	40.0	40.7	40.7	40.7	41.0	41.0	41.0	41.0	41.0	41.0	41.3	41.3	41.9
IV 10000	1.0	37.4	39.4	40.7	41.0	41.0	41.0	41.6	41.6	41.6	41.6	41.6	41.6	41.9	41.9	42.6
IV 9000	1.0	37.4	39.4	40.7	41.0	41.0	41.0	41.6	41.6	41.6	41.6	41.6	41.6	41.9	41.9	42.6
IV 8000	1.0	38.1	40.0	41.3	41.6	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.6	42.6	43.2
IV 7000	1.0	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6
IV 6000	1.0	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6
IV 5000	1.0	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6
IV 4500	1.0	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6
IV 4000	1.0	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6
IV 3500	1.0	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6
IV 3000	1.0	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6
IV 2500	1.0	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6
IV 2000	1.0	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6
IV 1800	1.0	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6
IV 1600	1.0	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6
IV 1400	1.0	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6
IV 1200	2.0	54.2	57.1	58.4	59.0	59.0	59.0	59.7	59.7	59.7	59.7	59.7	59.7	60.0	60.0	60.7
IV 1000	2.0	64.5	68.4	71.0	73.0	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.5	74.5	75.2
IV 900	2.0	67.7	71.9	74.5	77.1	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.4	78.4	79.0
IV 800	2.0	71.0	75.5	78.7	82.3	82.9	82.9	83.6	83.6	83.6	83.6	83.6	83.6	84.2	84.2	85.0
IV 700	2.0	71.0	75.5	78.7	82.3	82.9	82.9	83.6	83.6	83.6	83.6	83.6	83.6	84.2	84.2	85.0
IV 600	2.0	71.0	75.5	78.7	82.3	82.9	82.9	83.6	83.6	83.6	83.6	83.6	83.6	84.2	84.2	85.0
IV 500	2.0	71.0	75.5	78.7	82.3	82.9	82.9	83.6	83.6	83.6	83.6	83.6	83.6	84.2	84.2	85.0
IV 400	2.0	71.0	75.5	78.7	82.3	82.9	82.9	83.6	83.6	83.6	83.6	83.6	83.6	84.2	84.2	85.0
IV 300	2.0	71.0	75.5	78.7	82.3	82.9	82.9	83.6	83.6	83.6	83.6	83.6	83.6	84.2	84.2	85.0
IV 200	2.0	71.0	75.5	78.7	82.3	82.9	82.9	83.6	83.6	83.6	83.6	83.6	83.6	84.2	84.2	85.0
IV 100	2.0	71.0	75.5	78.7	82.3	82.9	82.9	83.6	83.6	83.6	83.6	83.6	83.6	84.2	84.2	85.0
IV 0	2.0	71.0	75.5	78.7	82.3	82.9	82.9	83.6	83.6	83.6	83.6	83.6	83.6	84.2	84.2	85.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

73-62

YEAR

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	27.1	31.7	33.6	36.1	36.6	37.7	38.4	38.4	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 20000	.7	27.4	32.2	33.9	36.5	37.1	38.1	38.7	38.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4
NV 18000	.7	27.4	31.0	33.9	36.5	37.3	38.1	38.7	38.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4
NV 16000	.7	27.4	31.0	33.9	36.5	37.1	38.1	38.7	38.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4
NV 14000	.7	28.1	31.6	34.5	37.1	37.7	38.7	39.4	39.4	40.2	40.0	40.0	40.0	40.0	40.0	40.0
NV 12000	.7	28.1	31.6	34.5	37.1	37.7	38.7	39.4	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0
NV 10000	1.0	29.0	32.6	35.6	38.4	39.0	40.0	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3
NV 9000	1.0	29.0	32.6	35.6	38.4	39.0	40.0	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3
NV 8000	1.0	29.4	33.2	36.5	39.0	39.7	40.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
NV 7000	1.0	29.4	33.2	36.5	39.0	39.7	40.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
NV 6000	1.0	29.4	33.2	36.5	39.0	39.7	40.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
NV 5000	1.0	29.4	33.2	36.5	39.0	39.7	40.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
NV 4500	1.0	29.4	33.2	36.5	39.0	39.7	40.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
NV 4000	1.0	29.4	33.2	36.5	39.0	39.7	40.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
NV 3500	1.0	29.4	33.2	36.5	39.0	39.7	40.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
NV 3000	1.0	29.4	33.2	36.5	39.0	39.7	40.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
NV 2500	1.0	29.7	33.6	36.8	39.4	40.0	41.0	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3
NV 2000	1.0	31.3	34.2	37.7	40.3	41.0	41.9	42.6	42.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2
NV 1800	1.0	31.0	35.2	39.7	41.3	41.9	42.9	43.6	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2
NV 1500	1.0	41.3	46.8	50.7	53.6	54.2	55.2	55.8	55.8	56.5	56.5	56.5	56.5	56.5	56.5	56.5
NV 1200	1.0	46.8	53.9	60.3	64.5	65.2	66.1	66.8	66.8	67.4	67.4	67.4	67.4	67.4	67.4	67.4
NV 1000	1.0	50.0	60.2	69.8	76.1	76.1	79.0	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3
NV 900	1.0	50.7	61.6	71.3	78.7	81.6	81.9	82.9	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6
NV 800	1.0	51.0	62.3	72.6	81.3	83.6	85.2	86.8	86.8	87.7	87.7	87.7	87.7	87.7	87.7	86.1
NV 700	1.0	51.0	62.3	73.2	82.6	85.2	87.1	88.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	86.0
NV 600	1.0	51.0	62.3	73.9	83.9	87.1	90.3	91.9	91.9	92.9	92.9	92.9	92.9	92.9	92.9	93.2
NV 500	1.0	51.0	62.3	73.9	84.2	87.4	90.7	92.6	92.6	93.9	94.2	94.2	94.2	94.2	94.5	94.8
NV 400	1.0	51.0	62.3	73.9	84.2	87.7	91.0	93.6	93.6	95.5	96.1	96.1	96.1	96.8	97.1	97.4
NV 300	1.0	51.0	62.3	73.9	84.5	88.4	91.6	94.2	94.2	96.5	97.1	97.1	97.7	97.7	98.4	99.0
NV 200	1.0	51.0	62.3	73.9	84.8	88.7	91.9	94.5	94.5	97.1	97.7	97.7	98.4	98.4	99.4	100.0
NV 100	1.0	51.0	62.3	73.9	84.8	88.7	91.9	94.5	94.5	97.1	97.7	97.7	98.4	98.4	99.4	100.0
NV 0	1.0	51.0	62.3	73.9	84.8	88.7	91.9	94.5	94.5	97.1	97.7	97.7	98.4	98.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

77-82

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.4	62.9	71.6	81.9	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 20000	2.4	63.9	73.9	84.2	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 18000	2.4	63.9	73.9	84.2	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 16000	2.4	63.9	73.9	84.2	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 14000	2.4	64.8	74.8	85.2	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 12000	2.4	66.1	76.1	86.5	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 10000	2.4	67.1	77.1	87.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 9000	2.4	67.1	77.1	87.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 8000	2.4	67.4	78.1	88.4	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 7000	2.4	67.4	78.1	88.4	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 6000	2.4	67.4	78.1	88.4	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 5000	2.4	67.4	78.4	88.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 4500	2.4	67.4	78.4	88.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 4000	2.4	67.7	78.7	89.0	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 3500	2.4	68.1	79.0	89.4	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 3000	2.4	68.1	79.3	89.4	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 2500	2.4	68.4	79.4	89.7	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 2000	2.4	69.3	80.3	91.0	93.0	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800	2.4	70.0	81.3	92.3	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1500	2.4	71.0	82.6	93.0	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1200	2.4	71.6	83.9	95.2	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	2.4	71.6	84.2	95.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	2.4	71.6	84.2	95.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	2.4	71.6	84.2	95.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	2.4	71.6	84.2	95.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	2.4	71.6	84.2	95.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	2.4	71.6	84.2	95.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	2.4	71.6	84.2	95.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	2.4	71.6	84.2	95.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	2.4	71.6	84.2	95.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	2.4	71.6	84.2	95.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	2.4	71.6	84.2	95.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMCS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TOPO, CALIFORNIA

STATION NAME

73-82

YEAR

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	6.1	79.4	86.5	91.4	91.9	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 20000	6.1	31.1	88.1	92.5	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 18000	6.5	81.0	88.1	92.7	93.6	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 16000	6.5	81.3	88.4	93.2	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 14000	6.5	81.9	89.0	93.9	94.5	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 12000	6.5	82.6	89.7	94.8	95.5	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 10000	6.5	83.6	91.1	96.1	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 9000	6.5	83.6	91.1	96.1	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 8000	6.5	83.9	91.3	96.5	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 7000	6.5	83.9	91.3	96.5	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 6000	6.5	83.9	91.3	96.5	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 5000	6.5	84.2	91.6	96.8	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 4500	6.5	84.2	91.6	96.8	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 4000	6.5	84.2	91.6	96.8	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 3500	6.5	84.2	91.6	96.8	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 3000	6.5	84.2	91.6	97.1	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2500	6.5	84.6	92.3	97.4	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2000	6.5	85.2	92.6	97.7	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	6.5	85.5	92.9	98.1	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	6.5	85.5	92.9	98.4	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	6.5	85.5	92.9	98.1	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	6.5	85.5	92.9	98.1	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 20000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 18000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 16000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 14000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 12000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 10000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 9000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 8000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 7000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 6000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 5000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 4500	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 4000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 3500	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 3000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 2500	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 2000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1800	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1600	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1400	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1200	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 900	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 800	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 700	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 600	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 500	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 400	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 300	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 200	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 100	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3

TOTAL NUMBER OF OBSERVATIONS

317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	7.7	86.4	91.7	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 20000	7.7	92.3	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 18000	7.7	92.3	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 16000	7.7	92.3	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 14000	8.1	92.7	93.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 12000	8.1	93.2	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 10000	8.1	91.9	94.2	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 9000	8.1	91.9	94.2	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 8000	8.4	92.8	94.8	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 7000	8.4	92.8	94.8	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 6000	8.4	92.8	94.8	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 5000	8.4	92.8	94.8	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 4500	8.4	92.9	95.2	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 4000	8.4	92.9	95.2	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3500	8.4	92.9	95.2	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3000	8.4	92.9	95.2	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	8.4	93.2	95.5	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2000	8.4	94.2	96.5	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	8.4	94.5	96.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION LL TORO, CALIFORNIA

73-82

YEAR

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22

NO. OF OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	6.5	74.8	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 20000	6.5	75.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 18000	6.5	75.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 16000	6.5	75.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 14000	6.5	76.1	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 12000	6.5	77.1	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 10000	6.5	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 9000	6.5	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
AV 8000	6.5	79.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
AV 7000	6.5	79.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
AV 6000	6.5	79.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
AV 5000	6.5	79.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
AV 4500	6.5	79.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
AV 4000	6.5	79.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 3500	6.5	79.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 3000	6.5	79.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 2500	6.5	79.7	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 2000	7.1	80.7	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1800	7.1	81.6	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1500	7.4	85.8	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1200	7.7	90.7	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1000	8.1	96.5	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	8.2	97.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	8.7	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	8.7	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	8.7	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	8.7	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	8.7	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	8.7	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	8.7	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	8.7	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	8.7	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL 7070, CALIFORNIA

STATION NAME

73-82

YEAR

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	4.6	63.3	66.8	70.0	71.0	71.2	71.5	71.6	71.6	71.7	71.7	71.7	71.8	71.8	71.9	71.9
≥ 30000	4.7	64.3	67.9	71.0	72.0	72.3	72.5	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.9	72.9
≥ 18000	4.7	64.3	67.9	71.0	72.0	72.3	72.5	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.9	72.9
≥ 16000	4.7	64.3	67.9	71.0	72.0	72.3	72.5	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.9	72.9
≥ 14000	4.8	64.7	68.6	71.7	72.7	72.9	73.2	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.6	73.6
≥ 12000	4.8	65.2	69.1	72.3	73.4	73.6	73.8	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.2
≥ 10000	4.8	66.5	70.4	73.7	74.7	74.9	75.2	75.3	75.3	75.4	75.4	75.4	75.5	75.5	75.6	75.6
≥ 8000	4.8	66.5	70.4	73.7	74.7	74.9	75.2	75.3	75.3	75.4	75.4	75.4	75.5	75.5	75.6	75.6
≥ 7000	4.8	66.9	70.9	74.2	75.2	75.4	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.1	76.1
≥ 6000	4.8	66.9	70.9	74.2	75.2	75.5	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.1	76.1	76.1
≥ 5000	4.8	67.1	71.1	74.4	75.5	75.7	76.0	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.4	76.4
≥ 4500	4.8	67.1	71.1	74.4	75.5	75.7	76.0	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.4	76.4
≥ 4000	4.8	67.1	71.2	74.5	75.6	75.8	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.4	76.5	76.5
≥ 3500	4.8	67.2	71.3	74.6	75.7	75.9	76.1	76.3	76.3	76.4	76.4	76.4	76.5	76.5	76.5	76.5
≥ 3000	4.8	67.3	71.3	74.6	75.7	76.0	76.2	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.6	76.6
≥ 2500	4.8	67.5	71.6	74.9	76.0	76.2	76.5	76.6	76.6	76.7	76.7	76.7	76.8	76.8	76.9	76.9
≥ 2000	4.7	68.3	72.4	75.8	76.9	77.1	77.3	77.5	77.5	77.6	77.6	77.6	77.7	77.7	77.7	77.7
≥ 1800	4.9	68.8	72.9	76.4	77.5	77.7	78.0	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.4	78.4
≥ 1600	5.0	72.3	76.7	80.2	81.4	81.6	81.9	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1400	5.2	75.9	80.7	84.4	85.9	86.2	86.4	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.8	86.8
≥ 1200	5.3	79.7	85.1	89.7	91.6	92.0	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.6	92.7	92.7
≥ 1000	5.3	80.7	86.3	90.9	92.9	93.4	93.6	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.1	94.2
≥ 900	5.3	81.3	87.7	91.9	94.2	94.7	95.0	95.3	95.3	95.5	95.5	95.6	95.6	95.7	95.8	95.8
≥ 800	5.3	81.6	87.5	92.4	95.0	95.6	95.9	96.2	96.2	96.4	96.5	96.5	96.6	96.6	96.7	96.7
≥ 700	5.3	81.6	87.5	92.4	95.0	95.6	95.9	96.2	96.2	96.4	96.5	96.5	96.6	96.6	96.7	96.7
≥ 600	5.3	81.6	87.5	92.4	95.0	95.6	95.9	96.2	96.2	96.4	96.5	96.5	96.6	96.6	96.7	96.7
≥ 500	5.3	82.0	88.2	93.4	96.3	97.1	97.6	97.9	97.9	98.2	98.3	98.3	98.4	98.4	98.6	98.6
≥ 400	5.3	82.1	88.2	93.6	96.4	97.4	98.0	98.4	98.4	98.8	99.0	99.0	99.2	99.2	99.3	99.4
≥ 300	5.3	82.1	88.3	93.7	96.7	97.4	98.2	98.6	98.6	99.0	99.2	99.2	99.4	99.4	99.6	99.6
≥ 200	5.3	82.1	88.3	93.7	96.8	97.6	98.3	98.7	98.7	99.2	99.4	99.4	99.6	99.6	99.8	99.8
≥ 100	5.3	82.1	88.3	93.7	96.8	97.6	98.3	98.7	98.7	99.2	99.4	99.4	99.6	99.6	99.8	99.8
≥ 0	5.3	82.1	88.3	93.7	96.8	97.6	98.3	98.7	98.7	99.2	99.4	99.4	99.6	99.6	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2480

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TOFO, CALIFORNIA

STATION NAME

73-82

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	4.2	4.7	52.3	53.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	4.2	5.7	53.2	54.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000	4.2	50.7	53.2	54.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 16000	4.2	50.7	53.2	54.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 14000	4.2	51.6	53.9	54.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 12000	4.2	51.6	54.5	55.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 10000	4.2	51.6	54.8	55.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 9000	4.2	51.6	54.8	55.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000	4.2	52.3	55.2	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 7000	4.2	52.3	55.2	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 6000	4.2	52.3	55.2	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 5000	4.5	52.3	56.1	57.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 4500	4.5	53.2	56.1	57.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 4000	4.5	53.2	56.1	57.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 3500	4.5	53.6	56.5	57.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 3000	4.5	53.6	56.5	57.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 2500	4.5	54.5	57.4	58.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 2000	4.5	56.5	59.4	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 1800	4.5	57.4	60.3	61.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 1500	4.5	61.6	65.6	66.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 1200	4.5	66.7	72.3	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1000	4.8	76.4	83.2	84.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	4.8	81.3	86.1	87.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 800	4.8	84.5	89.7	91.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 700	4.8	85.2	90.7	92.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 600	4.8	95.8	91.3	93.6	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500	4.8	86.1	91.9	94.2	96.5	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 400	4.8	86.1	92.3	95.2	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	4.8	86.1	92.3	95.2	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	4.8	86.1	92.3	95.2	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100	4.8	86.1	92.3	95.2	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0	4.8	86.1	92.3	95.2	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ON

MOON (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	2.6	33.6	36.1	36.5	36.5	36.5	37.1	37.1	37.1	37.1	37.4	37.4	37.4	37.4	37.4	37.4
≥ 20000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 18000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 16000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 14000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 12000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 10000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 9000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 8000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 7000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 6000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 5000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 4500	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 4000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 3500	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 3000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 2500	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 2000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 1800	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 1600	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 1400	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 1200	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 1000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 900	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 800	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 700	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 600	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 500	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 400	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 300	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 200	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 100	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
≥ 0	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-82

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)7
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	1.2	1.7	23.9	27.1	28.7	30.0	30.3	30.3	30.3	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 20000	1.2	2.3	24.5	27.7	29.4	30.7	31.0	31.0	31.0	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 18000	1.2	21.3	24.5	27.7	29.4	30.7	31.0	31.0	31.0	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 16000	1.2	20.3	24.5	27.7	29.4	30.7	31.0	31.0	31.0	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 14000	1.2	21.3	25.5	28.7	30.3	31.6	31.9	31.9	31.9	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 12000	1.2	21.9	26.1	29.4	31.0	32.3	32.6	32.6	32.6	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 10000	3.2	22.9	27.1	30.7	32.3	33.6	33.9	33.9	33.9	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 9000	1.2	22.7	27.2	30.7	32.3	33.6	33.9	33.9	33.9	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 8000	1.2	23.2	27.4	31.0	32.6	33.9	34.2	34.2	34.2	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 7000	1.2	23.2	27.4	31.0	32.6	33.9	34.2	34.2	34.2	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 6000	1.2	23.6	27.7	31.3	32.9	34.2	34.5	34.5	34.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 5000	1.2	23.6	27.7	31.3	32.9	34.2	34.5	34.5	34.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 4500	1.2	23.6	27.7	31.3	32.9	34.2	34.5	34.5	34.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 4000	1.2	23.6	27.7	31.3	32.9	34.2	34.5	34.5	34.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 3500	3.6	24.5	29.0	32.6	34.2	35.5	35.8	35.8	35.8	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 3000	3.9	26.5	31.0	34.5	36.1	37.4	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 2500	3.9	26.5	31.0	34.5	36.1	37.4	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 2000	3.9	29.4	34.8	38.7	40.3	41.6	41.9	41.9	41.9	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 1800	3.9	30.3	35.8	39.7	41.3	42.6	42.9	42.9	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 1500	3.9	32.2	42.6	47.1	50.0	51.3	51.6	51.6	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 1200	3.9	38.7	49.7	54.5	57.4	59.0	59.4	59.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 1000	3.9	41.3	56.1	65.5	71.3	73.0	74.8	75.8	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 900	3.9	41.6	56.5	68.1	72.9	75.5	76.8	77.7	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 800	3.9	41.9	57.1	69.0	75.5	79.4	81.9	82.9	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 700	3.9	41.9	57.4	69.4	75.8	79.7	82.6	83.6	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 600	3.9	41.9	57.4	70.0	76.8	80.7	84.8	85.8	85.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 500	3.9	41.9	57.4	70.3	77.7	81.9	86.5	88.4	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 400	3.9	41.9	57.4	71.0	78.4	82.9	87.7	90.0	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 300	3.9	41.9	57.4	71.0	78.4	83.2	88.4	92.0	92.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 200	3.9	41.9	57.4	71.0	78.4	83.2	88.7	91.3	91.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 100	3.9	41.9	57.4	71.0	78.4	83.2	88.7	91.3	91.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 0	3.9	41.9	57.4	71.0	78.4	83.2	88.7	91.3	91.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

73-82

YEAR

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10
HOURS LLST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 1	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	4.5	49.4	61.3	71.0	77.7	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 20000	4.5	50.7	61.6	73.2	79.4	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 18000	4.5	51.0	62.3	73.9	80.0	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 14000	4.5	51.0	62.3	73.9	80.0	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 10000	4.8	51.6	62.9	74.5	80.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 8000	4.8	52.9	64.5	76.1	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 6000	4.8	53.9	65.5	77.1	83.6	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 5000	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 4000	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3000	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 2500	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 2000	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1800	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1600	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1400	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1200	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1000	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 900	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 800	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 700	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 600	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 500	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 400	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 300	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 200	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 100	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 0	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13

MOON (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	6.5	73.9	81.3	86.5	89.7	93.1	95.7	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
N 20000	6.5	74.5	81.3	87.4	92.7	91.6	91.6	91.0	91.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
N 18000	6.5	74.5	81.6	87.7	91.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
N 16000	6.5	74.8	81.6	87.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
N 14000	6.5	75.2	81.9	88.1	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
N 12000	6.5	76.1	82.9	89.2	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
N 10000	6.5	76.8	83.6	89.7	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
N 9000	6.5	77.4	84.2	90.3	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
N 8000	6.5	77.7	84.5	90.7	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
N 7000	5.5	78.1	84.8	91.0	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
N 6000	5.5	78.1	84.8	91.0	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
N 5000	6.5	78.1	84.8	91.0	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
N 4500	6.5	78.4	85.2	91.3	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
N 4000	6.5	78.7	85.5	91.6	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
N 3500	7.1	79.7	86.5	92.6	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
N 3000	7.4	80.3	87.1	93.2	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
N 2500	7.4	80.7	87.4	93.6	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
N 2000	7.4	81.6	88.4	94.5	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
N 1800	7.4	81.9	88.7	94.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
N 1500	7.4	82.3	89.7	95.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
N 1200	7.4	82.6	89.4	95.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
N 1000	7.4	82.6	89.4	95.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
N 900	7.4	82.6	89.4	95.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
N 800	7.4	82.6	89.4	95.5	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
N 700	7.4	82.6	89.4	95.5	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
N 600	7.4	82.6	89.4	95.5	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
N 500	7.4	82.6	89.4	95.5	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
N 400	7.4	82.6	89.4	95.5	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
N 300	7.4	82.6	89.4	95.5	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
N 200	7.4	82.6	89.4	95.5	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
N 100	7.4	82.6	89.4	95.5	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
N 0	7.4	82.6	89.4	95.5	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 312

DIRNAVOCFANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

MO

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING	11.0	81.0	67.1	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 20000	11.0	82.9	89.0	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
W 18000	11.0	82.9	89.0	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
W 14000	11.0	82.9	89.0	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
W 14000	11.0	83.2	89.0	93.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
W 12000	11.0	83.6	89.7	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
W 10000	11.0	84.6	91.0	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
W 9000	11.0	84.8	91.0	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
W 8000	11.0	85.2	91.3	95.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
W 7000	11.0	85.2	91.3	95.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
W 6000	11.0	85.2	91.3	95.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
W 5000	11.0	85.2	91.3	95.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
W 4000	11.0	85.2	91.3	95.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
W 3000	11.0	85.2	91.3	95.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
W 2000	11.0	85.2	91.3	95.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
W 1800	11.0	85.8	91.9	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
W 1500	11.0	85.8	91.9	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
W 1200	11.0	86.5	92.6	96.5	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
W 1000	11.0	86.8	92.9	97.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
W 900	11.0	86.8	92.9	97.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
W 800	11.0	87.4	93.6	97.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
W 700	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
W 600	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
W 500	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
W 400	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
W 300	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
W 200	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
W 100	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
W 0	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

FL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	9.7	81.6	84.2	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 20000	9.7	83.6	86.8	88.7	88.7	88.7	89.0	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
NV 18000	9.7	83.6	86.8	88.7	88.7	88.7	89.0	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
NV 16000	9.7	83.9	87.1	89.0	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
NV 14000	9.7	84.5	87.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
NV 12000	9.7	85.5	89.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
NV 10000	9.7	85.5	89.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
NV 9000	9.7	85.8	89.4	91.3	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
NV 8000	9.7	86.1	89.7	91.6	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
NV 7000	9.7	86.5	90.0	91.9	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
NV 6000	9.7	86.8	90.3	92.3	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
NV 5000	9.7	86.8	90.3	92.3	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
NV 4500	9.7	86.8	90.3	92.3	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
NV 4000	10.0	87.1	90.7	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
NV 3500	10.0	87.4	91.0	92.9	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
NV 3000	10.0	88.1	91.9	93.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
NV 2500	10.3	89.0	92.9	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
NV 2000	10.3	89.0	92.9	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
NV 1800	10.3	89.0	92.9	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
NV 1500	10.3	91.0	95.2	97.7	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
NV 1200	10.3	91.6	96.1	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
NV 1000	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
NV 900	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
NV 800	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
NV 700	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
NV 600	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
NV 500	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
NV 400	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
NV 300	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
NV 200	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
NV 100	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
NV 0	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22

NUMBER (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	7.7	67.7	69.1	64.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 20000	7.7	69.4	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 18000	7.7	69.4	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 16000	7.7	69.4	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 14000	7.7	69.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 12000	7.7	70.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 10000	7.7	71.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 9000	7.7	71.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 8000	7.7	71.3	72.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 7000	7.7	71.6	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 6000	7.7	71.6	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 5000	7.7	71.9	73.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 4500	7.7	71.9	73.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 4000	7.7	72.3	73.6	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 3500	7.7	72.6	73.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 3000	7.7	72.9	74.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 2500	7.7	73.2	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 2000	7.7	75.8	77.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 1800	7.7	76.1	77.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 1600	8.1	81.0	82.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1400	8.1	85.5	87.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1200	8.1	91.9	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1000	8.1	93.2	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 900	8.1	94.2	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	8.1	94.5	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	8.1	94.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	8.1	94.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	8.1	94.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	8.1	94.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	8.1	94.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	8.1	94.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	8.1	94.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	8.1	94.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA STATION NAME 73-92 YEARS ALL MONTH ALL
 HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1 1/8	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING	6.2	57.1	61.7	66.2	66.8	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 20000	6.2	58.3	63.7	66.6	68.2	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 18000	6.2	58.4	63.1	66.7	68.4	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 16000	6.2	58.4	63.2	66.7	68.4	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 14000	6.2	58.8	63.6	67.2	68.9	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 12000	6.2	59.6	64.4	68.2	69.7	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 10000	6.2	60.2	65.1	68.8	70.4	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 9000	6.2	60.4	65.3	68.9	70.6	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 8000	6.2	60.7	65.6	69.2	70.9	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 7000	6.2	60.8	65.7	69.3	71.0	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 6000	6.2	60.9	65.8	69.4	71.1	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 5000	6.3	61.2	66.1	69.7	71.4	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4500	6.3	61.2	66.1	69.7	71.4	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4000	6.3	61.5	66.5	70.2	71.9	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 3500	6.5	62.1	67.1	70.8	72.5	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 3000	6.6	62.5	67.8	71.5	73.2	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 2500	6.7	63.5	68.5	72.1	73.8	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 2000	6.7	64.6	69.8	73.7	75.4	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 1800	6.7	65.2	70.4	74.2	75.9	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 1500	6.7	66.5	71.1	75.2	76.9	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1200	6.7	71.6	77.8	82.0	83.4	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1000	6.7	75.5	82.7	87.9	90.4	90.9	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 900	6.7	76.5	83.7	89.0	91.5	92.1	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 800	6.7	77.4	84.7	90.2	93.0	93.8	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 700	6.7	77.6	85.2	90.8	93.6	94.4	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 600	6.7	77.8	85.4	91.2	94.1	94.9	95.6	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 500	6.7	77.9	85.7	91.5	94.6	95.6	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 400	6.7	78.0	85.7	91.7	95.3	96.1	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 300	6.7	78.1	85.8	91.8	95.1	96.2	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 200	6.7	78.0	85.8	91.8	95.2	96.3	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 100	6.7	78.0	85.8	91.8	95.2	96.3	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 0	6.7	78.0	85.8	91.8	95.2	96.3	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 2480

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-82

AUG

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)A.L.L.
HOURS (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	6.2	57.1	61.7	6.2	66.8	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 20000	6.2	58.3	63.7	66.6	68.2	68.5	68.7	68.7	68.7	68.7	68.7	68.9	68.8	68.8	68.8	68.8
IV 18000	6.2	58.4	63.1	66.7	68.4	68.6	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9
IV 16000	6.2	58.4	63.2	66.7	68.4	68.6	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9
IV 14000	6.2	58.8	63.6	67.2	68.9	69.1	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 12000	6.2	59.6	64.4	68.0	69.7	69.9	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 10000	6.2	60.2	65.1	68.8	70.4	70.7	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0
IV 9000	6.2	60.4	65.3	68.9	70.6	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 8000	6.2	60.7	65.6	69.2	70.9	71.1	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 7000	6.2	60.8	65.7	69.3	71.0	71.3	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6
IV 6000	6.2	60.9	65.8	69.4	71.1	71.4	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 5000	6.3	61.2	66.1	69.7	71.4	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4500	6.3	61.2	66.1	69.7	71.4	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4000	6.3	61.5	66.5	70.2	71.9	72.1	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 3500	6.5	62.1	67.1	70.8	72.9	72.7	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3000	6.6	62.3	67.8	71.5	73.2	73.5	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8
IV 2500	6.7	63.5	68.5	72.1	73.8	74.1	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 2000	6.7	64.6	69.8	73.7	75.4	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 1800	6.7	65.2	70.4	74.2	75.9	76.2	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 1500	6.7	66.3	71.7	75.2	76.9	77.2	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 1200	6.7	71.6	77.1	82.0	83.9	84.2	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1000	6.7	75.5	82.7	87.3	90.4	90.9	91.2	91.3	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5
IV 900	6.7	76.5	83.7	89.0	91.5	92.1	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 800	6.7	77.4	84.7	90.2	93.0	93.8	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 700	6.7	77.6	85.2	90.8	93.6	94.4	95.1	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4
IV 600	6.7	77.8	85.4	91.2	94.1	94.9	95.8	95.9	96.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 500	6.7	77.9	85.7	91.5	94.6	95.6	96.5	96.8	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1
IV 400	6.7	78.0	85.7	91.7	95.3	96.1	97.2	97.5	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.9
IV 300	6.7	78.0	85.8	91.8	95.1	96.2	97.4	97.9	97.9	98.2	98.4	98.4	98.6	98.6	98.6	98.7
IV 200	6.7	78.0	85.8	91.8	95.2	96.3	97.5	98.0	98.1	98.4	98.7	98.7	98.9	99.0	99.1	99.2
IV 100	6.7	78.0	85.8	91.8	95.2	96.3	97.5	98.0	98.1	98.4	98.8	98.8	99.3	99.3	99.4	99.7
IV 0	6.7	78.0	85.8	91.8	95.2	96.3	97.5	98.0	98.1	98.4	98.8	98.8	99.3	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2480

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION FL TOP, CALIFORNIA

73-92

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

71
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	2.7	47.7	51.3	51.7	52.3	53.0	53.3	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 20000	2.7	48.0	51.7	52.3	53.3	54.0	54.3	54.3	54.3	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 18000	2.7	48.3	51.0	52.3	53.3	54.0	54.3	54.3	54.3	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 16000	2.7	48.3	51.0	52.3	53.3	54.0	54.3	54.3	54.3	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 14000	2.7	48.7	51.3	52.7	53.7	54.3	54.7	54.7	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 12000	2.7	49.3	52.7	53.3	54.3	55.0	55.3	55.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 10000	2.7	49.7	52.3	53.7	54.7	55.3	55.7	55.7	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 9000	2.7	49.7	52.3	53.7	54.7	55.3	55.7	55.7	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 8000	2.7	50.3	53.0	54.3	55.3	56.0	56.3	56.3	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 7000	2.7	50.3	54.0	55.3	56.3	57.0	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 6000	2.7	50.3	54.0	55.3	56.3	57.0	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 5000	2.7	50.7	54.7	56.3	57.0	57.7	58.0	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4500	2.7	52.0	55.0	56.3	57.0	58.0	58.3	58.3	58.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 4000	2.7	53.7	56.7	58.0	59.0	59.7	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 3500	2.7	55.7	58.7	59.0	59.7	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 3000	2.7	55.7	58.7	59.3	60.0	61.0	61.3	61.3	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 2500	2.7	56.7	60.7	61.7	62.7	63.3	63.7	63.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 2000	2.7	57.3	63.7	64.7	65.7	66.3	66.7	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 1800	2.7	60.3	64.0	65.7	66.7	67.3	67.7	67.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 1500	2.7	67.3	71.0	73.0	74.0	74.7	75.0	75.0	75.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 1200	2.7	70.7	75.0	77.7	79.7	79.7	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1000	2.7	76.3	81.3	84.0	86.0	86.7	87.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 900	2.7	77.0	82.3	85.0	87.3	87.7	88.0	88.3	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 800	3.0	77.7	83.3	86.3	88.3	89.0	89.3	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 700	3.0	78.0	85.0	87.7	90.0	90.7	91.0	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 600	3.0	78.3	86.0	88.7	91.0	91.7	92.0	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 500	3.0	79.3	86.7	89.3	92.0	92.7	93.7	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 400	3.0	79.3	86.7	89.3	92.0	92.7	93.7	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 300	3.0	79.3	86.7	89.7	92.3	93.0	94.3	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 200	3.0	79.3	87.0	90.0	92.7	93.3	95.3	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 100	3.0	79.3	87.0	90.0	92.7	93.3	95.3	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 0	3.0	79.3	87.0	90.0	92.7	93.3	95.3	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 11 TPOG, CALIFORNIA

73-82

YEAR

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

4
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/4	≥ 0
NO CEILING	7.3	30.3	41.3	41.3	42.3	42.7	44.0	44.0	44.3	44.3	44.7	44.7	45.0	45.0	45.0	45.7
≥ 20000	7.3	30.7	41.7	42.0	43.0	43.3	44.7	44.7	45.0	45.0	45.3	45.3	45.7	45.7	45.7	46.3
IV 18000	2.3	30.7	40.7	42.0	43.0	43.3	44.7	44.7	45.0	45.0	45.3	45.3	45.7	45.7	45.7	46.3
IV 16000	2.3	30.7	40.7	42.0	43.0	43.3	44.7	44.7	45.0	45.0	45.3	45.3	45.7	45.7	45.7	46.3
IV 14000	2.3	30.0	41.0	42.3	43.3	43.7	45.0	45.0	45.3	45.3	45.7	45.7	46.0	46.0	46.0	46.7
IV 12000	2.3	30.7	41.7	43.0	44.0	44.3	45.7	45.7	46.0	46.0	46.3	46.3	46.7	46.7	46.7	47.3
IV 10000	2.3	41.3	42.3	43.7	44.7	45.0	46.3	46.3	46.7	46.7	47.0	47.0	47.3	47.3	47.3	48.0
IV 9000	2.3	40.3	42.3	43.7	44.7	45.0	46.3	46.3	46.7	46.7	47.0	47.0	47.3	47.3	47.3	48.0
IV 8000	2.3	40.7	42.7	44.0	45.0	45.3	46.7	46.7	47.0	47.0	47.3	47.3	47.7	47.7	47.7	48.3
IV 7000	2.3	41.0	43.0	44.3	45.3	45.7	47.0	47.0	47.3	47.3	47.7	47.7	48.0	48.0	48.0	48.7
IV 6000	2.3	41.3	43.0	44.3	45.3	45.7	47.0	47.0	47.3	47.3	47.7	47.7	48.0	48.0	48.0	48.7
IV 5000	2.3	41.3	43.7	45.0	46.0	46.3	47.7	47.7	48.0	48.0	48.3	48.3	48.7	48.7	48.7	49.3
IV 4500	2.3	41.7	44.0	45.3	46.3	46.7	48.0	48.0	48.3	48.3	48.7	48.7	49.0	49.0	49.0	49.7
IV 4000	2.3	43.0	45.3	46.7	47.7	48.0	49.3	49.3	49.7	49.7	50.0	50.0	50.3	50.3	50.3	51.0
IV 3500	2.3	43.0	45.3	46.7	47.7	48.0	49.3	49.3	49.7	49.7	50.0	50.0	50.3	50.3	50.3	51.0
IV 3000	2.3	45.3	47.7	49.0	50.0	50.3	51.7	51.7	52.0	52.0	52.3	52.3	52.7	52.7	52.7	53.3
IV 2500	2.3	40.3	48.7	51.0	51.3	51.7	53.0	53.0	53.3	53.3	53.7	53.7	54.0	54.0	54.0	54.7
IV 2000	2.3	40.7	52.0	53.7	55.0	55.3	56.7	56.7	57.0	57.0	57.3	57.3	57.7	57.7	57.7	58.3
IV 1800	2.3	51.7	54.3	56.0	57.3	57.7	59.0	59.0	59.3	59.3	59.7	59.7	60.0	60.0	60.0	60.7
IV 1500	2.3	51.7	61.0	63.0	64.3	64.7	66.0	66.0	66.3	66.3	66.7	66.7	67.0	67.0	67.0	67.7
IV 1200	2.3	61.7	65.3	67.3	69.0	69.7	71.0	71.0	71.3	71.3	71.7	71.7	72.0	72.0	72.0	72.7
IV 1000	2.3	60.0	72.7	75.3	78.0	78.7	80.7	80.7	81.0	81.0	81.3	81.3	81.7	81.7	81.7	82.3
IV 900	2.3	60.0	74.3	77.3	80.0	80.7	82.7	82.7	83.0	83.0	83.3	83.3	83.7	83.7	83.7	84.3
IV 800	2.7	70.0	76.0	79.0	82.0	83.0	85.0	85.0	85.3	85.3	85.7	85.7	86.0	86.0	86.0	86.7
IV 700	2.7	70.0	76.7	80.0	84.0	85.0	87.0	87.0	87.3	87.3	87.7	87.7	88.0	88.0	88.0	88.7
IV 600	2.7	71.3	78.3	82.3	87.0	88.3	90.3	90.3	90.7	90.7	91.0	91.0	91.3	91.3	91.3	92.0
IV 500	2.7	71.7	78.7	82.7	87.7	89.0	91.7	92.0	92.3	92.3	92.7	92.7	93.0	93.0	93.0	93.7
IV 400	2.7	71.7	78.7	82.7	87.7	89.3	92.0	93.7	94.0	94.0	94.7	94.7	95.0	95.0	95.0	95.7
IV 300	2.7	71.7	78.7	82.7	87.7	89.3	92.0	93.7	94.0	94.0	94.7	94.7	95.0	95.0	95.0	95.7
IV 200	2.7	71.7	78.7	82.7	87.7	89.3	92.0	93.7	94.0	94.0	94.7	94.7	95.0	95.0	95.0	95.7
IV 100	2.7	71.7	78.7	82.7	87.7	89.3	92.0	93.7	94.0	94.0	94.7	94.7	95.0	95.0	95.0	95.7
IV 0	2.7	71.7	78.7	82.7	87.7	89.3	92.0	93.7	94.0	94.0	94.7	94.7	95.0	95.0	95.0	95.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-82

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
GROUP LETTER

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 3/16	≥ ¼	≥ 0
NO CEILING	2.7	29.0	33.3	35.3	36.3	36.7	37.0	37.0	37.3	37.3	37.3	37.3	37.3	37.7	37.7	37.7	37.7
≥ 20000	2.7	3.0	34.3	36.3	37.7	38.7	38.3	38.3	39.7	38.7	38.7	38.7	38.7	39.0	39.0	39.0	39.0
≥ 18000	2.7	30.0	34.3	36.3	37.7	38.7	38.3	38.3	38.7	38.7	38.7	38.7	38.7	39.0	39.0	39.0	39.0
≥ 16000	2.7	30.0	34.3	36.3	37.7	38.7	38.3	38.3	38.7	38.7	38.7	38.7	38.7	39.0	39.0	39.0	39.0
≥ 14000	2.7	30.3	35.0	37.0	38.3	38.7	39.0	39.0	39.3	39.3	39.3	39.3	39.3	39.7	39.7	39.7	39.7
≥ 12000	2.7	31.3	35.7	37.7	39.3	39.7	40.0	40.0	40.3	40.3	40.3	40.3	40.3	40.7	40.7	40.7	40.7
≥ 10000	2.7	31.3	36.3	38.3	40.7	40.3	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 9000	2.7	31.3	36.3	38.3	40.7	40.3	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 8000	2.7	32.3	37.3	39.3	41.7	41.3	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 7000	2.7	33.3	38.3	40.3	42.0	42.3	42.7	42.7	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 6000	2.7	33.7	38.7	40.7	42.3	42.7	43.0	43.0	43.3	43.3	43.3	43.3	43.3	43.7	43.7	43.7	43.7
≥ 5000	2.7	34.3	39.3	41.3	43.3	43.3	43.7	43.7	44.0	44.0	44.0	44.0	44.0	44.3	44.3	44.3	44.3
≥ 4500	2.7	34.7	39.7	41.7	43.3	43.3	44.0	44.0	44.3	44.3	44.3	44.3	44.3	44.7	44.7	44.7	44.7
≥ 4000	2.7	35.3	41.3	43.3	45.3	45.3	46.0	46.0	46.3	46.3	46.3	46.3	46.3	46.7	46.7	46.7	46.7
≥ 3500	3.0	36.7	41.7	43.7	45.3	46.0	46.3	46.3	46.7	46.7	46.7	46.7	46.7	47.0	47.0	47.0	47.0
≥ 3000	3.0	36.7	43.7	46.0	47.7	48.7	49.0	49.0	49.3	49.3	49.3	49.3	49.3	49.7	49.7	49.7	49.7
≥ 2500	3.0	40.3	45.3	47.7	49.3	50.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	52.0	52.0	52.0	52.0
≥ 2000	3.0	42.3	46.3	52.0	54.0	55.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.7	56.7	56.7	56.7
≥ 1800	3.0	43.7	51.0	53.7	55.7	56.7	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.3	58.3	58.3	58.3
≥ 1500	3.0	44.0	57.3	60.7	62.7	63.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 1200	3.0	50.7	59.7	64.7	68.7	70.3	71.3	71.3	71.7	71.7	71.7	71.7	71.7	72.0	72.0	72.0	72.0
≥ 1000	3.0	51.7	61.7	67.7	74.3	76.0	77.7	77.7	78.3	78.3	78.3	78.3	78.3	78.7	78.7	78.7	78.7
≥ 900	3.0	52.3	63.3	69.3	76.3	78.0	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.7	80.7	80.7	80.7
≥ 800	3.0	52.3	63.7	70.3	77.3	79.7	81.3	82.3	82.3	82.3	82.3	82.3	82.3	83.3	83.3	83.3	83.3
≥ 700	3.0	52.3	63.7	70.3	78.3	80.7	82.7	83.3	83.7	84.7	84.7	84.7	84.7	85.0	85.0	85.0	85.0
≥ 600	3.0	52.3	63.7	70.3	79.3	82.0	84.7	85.7	86.0	87.7	87.7	87.7	87.7	88.0	88.0	88.0	88.0
≥ 500	3.0	52.3	63.7	70.3	79.7	82.3	86.0	87.3	87.7	90.7	91.0	91.0	91.0	91.3	91.3	91.3	91.3
≥ 400	3.0	52.3	63.7	70.3	79.7	82.3	86.0	88.3	88.7	92.3	92.7	92.7	92.7	93.0	93.0	93.0	93.0
≥ 300	3.0	52.3	63.7	70.3	79.7	82.3	86.0	88.3	88.7	93.0	94.0	94.0	94.0	95.0	95.0	95.0	95.0
≥ 200	3.0	52.3	63.7	70.3	79.7	82.3	86.0	88.3	88.7	93.0	94.0	94.0	94.0	95.0	95.0	95.0	95.0
≥ 100	3.0	52.3	63.7	70.3	79.7	82.3	86.0	88.3	88.7	93.0	94.0	94.0	94.0	95.0	95.0	95.0	95.0
0	3.0	52.3	63.7	70.3	79.7	82.3	86.0	88.3	88.7	93.0	94.0	94.0	94.0	95.0	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-82

YEAR

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10

NOV 11 1973

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	3.7	41.0	45.0	55.3	59.7	61.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 20000	3.7	41.0	45.0	55.3	59.7	61.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 18000	3.7	43.0	51.3	57.7	62.3	63.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 16000	3.7	43.0	51.3	57.7	62.3	63.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 14000	3.7	43.0	52.0	58.3	62.7	64.0	65.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 12000	3.7	43.7	52.7	59.3	63.3	64.7	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 10000	3.7	43.7	52.7	59.3	63.7	65.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 9000	3.7	43.7	52.7	59.3	63.7	65.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 8000	3.7	44.7	53.7	60.3	64.7	66.0	67.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 7000	3.7	45.0	54.0	61.0	65.3	66.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 6000	3.7	45.0	54.0	61.0	65.3	66.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 5000	3.7	45.0	54.3	61.3	65.7	67.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 4300	3.7	45.3	54.7	61.7	66.0	67.3	68.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 4000	3.7	47.0	56.3	63.3	68.0	69.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3500	3.7	48.0	57.3	64.3	69.0	70.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 3000	3.3	51.3	60.7	67.7	72.7	74.0	75.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 2500	3.3	53.7	63.3	71.3	76.0	77.3	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 2000	3.3	58.0	67.7	75.7	81.7	83.0	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1800	3.3	58.3	68.0	76.0	82.0	83.3	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1500	3.3	63.0	73.7	82.7	88.7	90.7	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1200	3.7	63.3	74.7	84.0	90.7	92.7	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1000	3.7	63.7	75.3	85.3	93.0	95.3	96.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	3.7	63.7	75.7	85.7	93.3	95.7	98.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	3.7	63.7	75.7	85.7	93.3	95.7	98.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	3.7	63.7	75.7	85.7	93.3	95.7	98.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	3.7	63.7	75.7	85.7	93.3	96.0	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	3.7	63.7	75.7	85.7	93.3	96.0	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	3.7	63.7	75.7	85.7	93.3	96.0	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	3.7	63.7	75.7	85.7	93.3	96.0	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	3.7	63.7	75.7	85.7	93.7	96.3	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	3.7	63.7	75.7	85.7	93.7	96.3	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	3.7	63.7	75.7	85.7	93.7	96.3	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL YOCO, CALIFORNIA

73-82

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS LLST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	4.7	58.2	68.2	74.3	76.9	77.3	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 20000	4.7	5.2	73.6	76.6	79.3	79.6	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 18000	4.7	60.2	70.6	76.6	79.3	79.6	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 16000	4.7	60.2	70.6	76.6	79.3	79.6	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 14000	4.7	60.2	70.6	76.6	79.3	79.6	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 12000	4.7	60.2	70.6	76.6	79.3	79.6	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 10000	4.7	61.2	71.6	77.6	80.3	80.6	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 9000	4.7	61.2	71.6	77.6	80.3	80.6	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 8000	4.7	61.2	71.6	77.6	80.3	80.6	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 7000	4.7	61.9	72.2	78.3	80.9	81.3	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 6000	4.7	61.9	72.6	78.6	81.3	81.6	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 5000	4.7	61.9	72.6	78.6	81.3	81.6	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 4500	4.7	62.2	72.9	78.9	81.6	81.9	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4000	4.7	63.2	74.3	80.3	82.9	83.3	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3500	4.7	64.2	75.3	81.6	84.3	84.6	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 3000	4.7	66.9	77.9	84.3	87.3	87.3	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2500	4.7	68.9	79.9	86.6	89.6	90.3	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2000	4.7	70.9	81.9	89.3	92.3	93.0	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1800	5.0	72.9	82.9	90.3	93.3	94.0	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1500	5.0	74.6	85.6	93.3	96.3	97.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1200	5.0	74.6	85.6	93.3	96.3	97.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

16

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 20000	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 18000	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 16000	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 14000	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 12000	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 10000	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 9000	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 8000	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 6000	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 5000	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4500	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3500	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3000	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2500	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2000	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1800	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1500	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1200	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1000	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 900	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 800	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 700	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 600	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 500	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 400	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 300	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 200	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 100	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 0	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TOPO, CALIFORNIA

73-82

SEP

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS IN DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	5.3	50.0	71.0	71.7	73.0	73.7	73.0	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 20000	5.3	65.3	71.7	72.3	73.7	73.7	73.7	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 18000	5.3	68.3	71.7	72.3	73.7	73.7	73.7	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 16000	5.3	66.3	71.7	72.3	73.7	73.7	73.7	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 14000	5.7	69.0	72.3	73.0	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 12000	5.7	71.0	74.3	75.0	76.3	76.3	76.3	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 10000	6.0	72.0	75.3	76.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 9000	6.0	72.0	75.3	76.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000	6.0	73.0	76.3	77.0	78.3	78.3	78.3	78.3	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000	6.0	73.0	77.0	77.7	79.0	79.0	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 6000	6.0	74.0	77.7	78.3	79.7	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000	6.3	75.0	78.7	79.3	80.7	80.7	80.7	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4500	6.3	75.0	79.0	79.7	81.0	81.0	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000	6.3	76.3	80.0	80.7	82.0	82.0	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3500	7.0	76.0	82.0	82.7	84.0	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3000	7.0	76.7	82.7	83.7	85.0	85.0	85.0	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2500	7.0	76.3	83.7	84.7	86.0	86.0	86.0	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	7.0	81.0	85.3	86.3	87.7	87.7	87.7	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1800	7.0	82.7	87.3	88.3	89.7	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	7.0	85.7	91.0	92.3	93.7	93.7	93.7	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200	7.0	88.3	94.7	96.3	97.3	97.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	7.0	89.0	95.3	96.7	98.0	98.0	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	7.0	89.0	95.3	96.7	98.0	98.0	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	7.0	89.0	95.3	97.0	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	7.0	89.0	95.3	97.0	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	7.0	89.0	95.3	97.0	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	7.0	89.0	95.3	97.0	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	7.0	89.0	95.3	97.0	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	7.0	89.0	95.3	97.0	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	7.0	89.0	95.3	97.0	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100	7.0	89.0	95.3	97.0	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0	7.0	89.0	95.3	97.0	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL 1090, CALIFORNIA

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	4.7	6.7	64.7	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	4.7	6.7	64.7	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 18000	4.7	6.7	64.7	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000	4.7	6.7	64.7	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000	4.7	6.7	64.7	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000	4.7	6.7	64.7	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	5.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 9000	5.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 8000	5.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 7000	5.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 6000	5.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 5000	5.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4500	5.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4000	5.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	5.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3000	5.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 2500	5.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 2000	5.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 1800	5.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 1500	5.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 1200	6.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 1000	6.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 900	6.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 800	6.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 700	6.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 600	6.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 500	6.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 400	6.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 300	6.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 200	6.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 100	6.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 0	6.3	6.7	65.3	66.7	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

SL TORO, CALIFORNIA

73-82

YEARS

SLP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURLY ILL & T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.2	51.4	56.0	58.8	60.4	61.0	61.6	61.7	61.8	61.9	62.0	62.0	62.1	62.1	62.1	62.2
≥ 20000	3.4	52.5	57.3	60.2	62.7	62.4	63.0	63.2	63.2	63.4	63.4	63.4	63.5	63.5	63.5	63.6
≥ 18000	3.5	52.5	57.3	60.2	62.7	62.4	63.0	63.2	63.2	63.4	63.4	63.4	63.5	63.5	63.5	63.6
≥ 16000	3.6	52.5	57.3	60.2	62.7	62.4	63.0	63.2	63.2	63.4	63.4	63.4	63.5	63.5	63.5	63.6
≥ 14000	4.0	52.7	57.7	60.5	62.4	62.8	63.4	63.5	63.6	63.7	63.8	63.8	63.9	63.9	63.9	63.9
≥ 12000	4.1	53.5	58.4	61.3	63.3	63.7	64.3	64.4	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.8
≥ 10000	4.7	54.1	59.1	62.3	64.1	64.4	65.0	65.1	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.5
≥ 9000	4.7	54.1	59.1	62.3	64.1	64.4	65.0	65.1	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.5
≥ 8000	5.0	54.7	59.7	62.6	64.6	65.0	65.6	65.7	65.8	65.9	65.9	65.9	66.0	66.0	66.0	66.1
≥ 7000	4.7	55.2	60.2	63.2	65.2	65.6	66.2	66.3	66.4	66.5	66.6	66.6	66.7	66.7	66.7	66.7
≥ 6000	4.8	55.4	60.5	63.5	65.5	65.9	66.5	66.6	66.7	66.8	66.9	66.9	66.9	66.9	66.9	67.0
≥ 5000	4.1	55.9	61.2	64.2	66.2	66.6	67.2	67.3	67.4	67.5	67.6	67.6	67.7	67.7	67.7	67.7
≥ 4500	4.1	56.3	61.6	64.6	66.6	67.0	67.6	67.7	67.8	67.9	67.9	67.9	68.0	68.0	68.0	68.1
≥ 4000	4.1	57.6	62.9	65.9	67.9	68.4	69.1	69.2	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.5
≥ 3500	4.2	58.2	63.5	66.6	68.7	69.1	69.7	69.8	69.9	70.0	70.1	70.1	70.2	70.2	70.2	70.2
≥ 3000	4.3	60.2	65.6	68.7	70.8	71.3	71.9	72.0	72.1	72.2	72.3	72.3	72.4	72.4	72.4	72.5
≥ 2500	4.3	61.4	67.3	70.7	72.8	73.4	74.1	74.2	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.6
≥ 2000	4.4	64.4	70.2	73.8	76.1	76.7	77.4	77.5	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.9
≥ 1800	4.4	65.6	71.6	75.1	77.8	78.1	78.7	78.8	78.9	79.0	79.1	79.1	79.2	79.2	79.2	79.2
≥ 1500	4.5	67.9	76.4	80.3	82.7	83.4	84.1	84.2	84.3	84.5	84.5	84.5	84.6	84.6	84.6	84.7
≥ 1200	4.6	72.0	79.1	83.5	86.2	87.1	87.8	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4
≥ 1000	4.6	74.3	81.7	86.4	89.9	90.8	91.7	92.0	92.0	92.3	92.3	92.3	92.4	92.4	92.4	92.5
≥ 900	4.6	74.6	82.4	87.1	90.7	91.6	92.6	92.9	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.4
≥ 800	4.7	75.0	82.9	87.7	91.5	92.5	93.5	93.9	94.0	94.3	94.4	94.4	94.5	94.5	94.5	94.6
≥ 700	4.7	75.2	83.3	88.3	92.2	93.3	94.3	94.7	94.9	95.2	95.3	95.3	95.4	95.4	95.4	95.5
≥ 600	4.7	75.4	83.7	88.6	92.9	94.1	95.3	95.8	95.9	96.3	96.5	96.5	96.5	96.5	96.5	96.6
≥ 500	4.7	75.5	83.9	88.9	93.2	94.4	95.8	96.5	96.6	97.3	97.5	97.5	97.6	97.6	97.7	97.8
≥ 400	4.7	75.5	83.9	89.0	93.3	94.5	95.9	96.8	96.9	97.8	98.0	98.0	98.1	98.1	98.2	98.3
≥ 300	4.7	75.5	83.9	89.0	93.3	94.5	95.9	96.8	96.9	97.8	98.0	98.0	98.1	98.1	98.2	98.3
≥ 200	4.7	75.5	84.0	89.0	93.4	94.6	96.2	97.1	97.2	98.3	98.6	98.6	98.9	99.0	99.1	99.4
≥ 100	4.7	75.5	84.0	89.0	93.4	94.6	96.2	97.1	97.2	98.3	98.6	98.6	98.9	99.0	99.2	99.8
≥ 0	4.7	75.5	84.0	89.0	93.4	94.6	96.2	97.1	97.2	98.3	98.6	98.6	98.9	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

2399

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01
HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	10.1	11.3	52.3	54.2	55.2	55.2	56.5	56.8	56.8	57.1	57.5	57.5	57.5	57.5	57.5	57.8
≥ 20000	10.4	52.3	54.2	56.5	57.8	57.8	59.3	59.4	59.4	59.7	60.1	60.1	60.1	60.1	60.1	60.4
IV 18000	10.4	52.6	54.6	56.6	58.1	58.1	59.4	59.7	59.7	60.1	60.4	60.4	60.4	60.4	60.4	60.7
IV 16000	10.4	52.6	54.6	56.8	58.1	58.1	59.4	59.7	59.7	60.1	60.4	60.4	60.4	60.4	60.4	60.7
IV 14000	10.4	52.9	54.9	57.1	58.4	58.4	59.7	60.1	60.1	60.4	60.7	60.7	60.7	60.7	60.7	61.0
IV 12000	10.7	53.9	55.8	58.1	59.4	59.4	60.7	61.2	61.0	61.4	61.7	61.7	61.7	61.7	61.7	62.0
IV 10000	11.0	55.5	57.5	59.7	61.0	61.0	62.3	62.7	62.7	63.0	63.3	63.3	63.3	63.3	63.3	63.6
IV 9000	11.0	55.5	57.5	59.7	61.0	61.0	62.3	62.7	62.7	63.0	63.3	63.3	63.3	63.3	63.3	63.6
IV 8000	11.4	55.5	57.8	60.1	61.4	61.4	62.7	63.0	63.0	63.3	63.6	63.6	63.6	63.6	63.6	64.0
IV 7000	11.4	55.5	57.8	60.1	61.4	61.4	62.7	63.0	63.0	63.3	63.6	63.6	63.6	63.6	63.6	64.0
IV 6000	11.4	55.5	57.8	60.1	61.4	61.4	62.7	63.0	63.0	63.3	63.6	63.6	63.6	63.6	63.6	64.0
IV 5000	11.4	56.5	58.4	61.4	62.7	62.7	64.0	64.3	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.9
IV 4500	11.4	56.5	58.8	61.4	62.7	62.7	64.0	64.3	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.9
IV 4000	11.4	57.1	59.1	61.7	63.0	63.0	64.3	64.6	64.6	64.9	65.3	65.3	65.3	65.3	65.3	65.6
IV 3500	12.0	56.4	60.4	63.0	64.3	64.3	65.6	65.9	65.9	66.2	66.6	66.6	66.6	66.6	66.6	66.9
IV 3000	12.0	59.1	61.0	63.6	64.9	64.9	66.2	66.6	66.6	66.9	67.2	67.2	67.2	67.2	67.2	67.5
IV 2500	12.7	61.7	63.6	66.2	67.5	67.5	68.8	69.2	69.2	69.5	69.8	69.8	69.8	69.8	69.8	70.1
IV 2000	12.7	63.0	64.9	67.5	68.8	68.8	70.1	70.5	70.5	70.8	71.1	71.1	71.1	71.1	71.1	71.4
IV 1800	12.7	63.3	65.3	67.9	69.2	69.2	70.5	70.8	70.8	71.1	71.4	71.4	71.4	71.4	71.4	71.8
IV 1500	12.7	67.5	69.8	73.1	74.7	74.7	76.0	76.3	76.3	76.6	77.0	77.0	77.0	77.0	77.0	77.3
IV 1200	12.7	69.8	72.1	75.7	77.3	77.3	78.6	78.9	78.9	79.2	79.6	79.6	79.6	79.6	79.6	79.9
IV 1000	12.7	72.1	74.4	78.6	80.5	80.5	82.5	82.8	82.8	83.1	83.4	83.4	83.4	83.4	83.4	83.8
IV 900	12.7	72.4	75.7	79.8	81.8	81.8	83.8	84.1	84.1	84.4	84.7	84.7	84.7	84.7	84.7	85.1
IV 800	12.7	72.4	75.7	80.2	82.5	82.5	84.4	84.7	84.7	85.1	85.4	85.4	85.4	85.4	85.4	85.7
IV 700	12.7	72.4	76.6	81.5	84.4	84.4	86.7	87.0	87.0	87.3	87.7	87.7	87.7	87.7	87.7	88.0
IV 600	12.7	73.1	77.3	82.1	85.4	85.4	88.0	88.3	88.3	88.6	89.0	89.0	89.0	89.0	89.0	89.3
IV 500	12.7	73.1	77.6	82.4	86.4	86.4	88.7	89.0	89.3	89.3	89.9	90.3	90.3	90.3	90.3	90.6
IV 400	12.7	73.1	77.6	82.4	86.4	86.4	88.7	89.0	89.3	89.3	89.9	90.3	90.3	90.3	90.3	90.6
IV 300	12.7	73.1	77.6	82.4	86.4	86.4	88.7	89.3	89.3	89.9	91.6	91.7	91.7	91.7	91.7	92.5
IV 200	12.7	73.1	77.6	82.4	86.4	86.4	88.7	89.3	89.3	89.9	91.9	92.2	92.2	92.2	92.2	93.2
IV 100	12.7	73.1	77.6	82.4	86.4	86.4	88.7	89.3	89.3	89.9	92.2	92.5	92.5	92.5	92.5	93.1
IV 0	12.7	73.1	77.6	82.4	86.4	86.4	88.7	89.3	89.3	89.9	92.2	92.5	92.5	92.5	92.5	94.0

TOTAL NUMBER OF OBSERVATIONS 338

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-82

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

24

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	10.7	45.2	46.6	48.4	49.4	49.7	49.7	50.0	50.0	50.7	51.3	51.3	51.3	51.3	51.3	51.6
≥ 20000	10.7	47.1	48.7	51.0	52.7	52.3	52.3	52.6	52.6	53.3	53.9	53.9	53.9	53.9	53.9	54.2
IV 18000	10.7	47.1	48.7	51.0	52.7	52.3	52.3	52.6	52.6	53.3	53.9	53.9	53.9	53.9	53.9	54.2
IV 16000	10.7	47.1	48.7	51.0	52.7	52.3	52.3	52.6	52.6	53.3	53.9	53.9	53.9	53.9	53.9	54.2
IV 14000	10.7	47.1	48.7	51.0	52.7	52.3	52.3	52.6	52.6	53.3	53.9	53.9	53.9	53.9	53.9	54.2
IV 12000	10.7	46.4	50.0	52.3	53.3	53.6	53.6	53.9	53.9	54.6	55.2	55.2	55.2	55.2	55.2	55.5
IV 10000	10.7	49.0	50.7	52.9	54.2	54.6	54.6	54.9	54.9	55.5	56.2	56.2	56.2	56.2	56.2	56.5
IV 9000	10.7	45.0	50.7	52.9	54.2	54.6	54.6	54.9	54.9	55.5	56.2	56.2	56.2	56.2	56.2	56.5
IV 8000	11.4	50.0	51.6	53.9	55.2	55.5	55.5	55.8	55.8	56.5	57.1	57.1	57.1	57.1	57.1	57.5
IV 7000	11.4	50.0	51.6	53.9	55.2	55.5	55.5	55.8	55.8	56.5	57.1	57.1	57.1	57.1	57.1	57.5
IV 6000	11.4	50.0	51.6	53.9	55.2	55.5	55.5	55.8	55.8	56.5	57.1	57.1	57.1	57.1	57.1	57.5
IV 5000	11.4	50.7	52.3	54.6	55.8	56.2	56.2	56.5	56.5	57.1	57.8	57.8	57.8	57.8	57.8	58.1
IV 4500	11.4	50.7	52.3	54.6	55.8	56.2	56.2	56.5	56.5	57.1	57.8	57.8	57.8	57.8	57.8	58.1
IV 4000	12.0	52.0	53.6	55.8	57.1	57.5	57.5	57.8	57.8	58.4	59.1	59.1	59.1	59.1	59.1	59.4
IV 3500	12.0	52.0	54.2	56.5	57.8	58.1	58.1	58.4	58.4	59.1	59.7	59.7	59.7	59.7	59.7	60.1
IV 3000	12.0	55.2	56.8	59.1	60.4	60.7	60.7	61.0	61.0	61.7	62.3	62.3	62.3	62.3	62.3	62.7
IV 2500	12.0	56.5	58.1	60.4	61.7	62.0	62.0	62.3	62.3	63.0	63.6	63.6	63.6	63.6	63.6	64.0
IV 2000	12.0	57.1	60.7	63.0	64.3	64.6	64.6	64.9	64.9	65.6	66.2	66.2	66.2	66.2	66.2	66.6
IV 1800	12.0	61.0	62.7	64.9	66.2	66.6	66.6	66.9	66.9	67.5	68.2	68.2	68.2	68.2	68.2	68.5
IV 1600	12.0	64.6	66.2	68.5	69.8	70.1	70.1	70.5	70.5	71.2	71.8	71.8	71.8	71.8	71.8	72.1
IV 1400	12.0	60.2	67.9	71.4	72.4	72.7	72.7	73.1	73.1	73.7	74.4	74.4	74.4	74.4	74.4	74.7
IV 1200	12.0	68.2	70.5	74.4	76.6	77.0	77.0	77.9	77.9	78.6	79.2	79.2	79.2	79.2	79.2	79.6
IV 1000	12.0	68.5	71.4	76.6	78.9	79.2	79.2	79.9	79.9	80.6	81.5	81.5	81.5	81.5	81.5	81.8
IV 900	12.0	68.5	71.4	76.6	78.9	79.2	79.2	79.9	79.9	80.6	81.5	81.5	81.5	81.5	81.5	81.8
IV 800	12.0	68.8	71.8	76.6	79.6	79.9	79.9	80.8	81.2	81.8	82.5	82.5	82.5	82.5	82.5	82.8
IV 700	12.0	68.8	71.8	76.6	79.6	79.9	79.9	80.8	81.5	81.8	82.5	82.5	82.5	82.5	82.5	82.8
IV 600	12.0	68.8	72.4	77.6	81.2	81.5	81.5	82.5	83.1	83.8	84.4	84.4	84.4	84.4	84.4	84.7
IV 500	12.0	68.8	73.1	78.9	82.8	83.1	83.1	84.7	85.7	86.7	87.7	87.7	87.7	87.7	87.7	88.3
IV 400	12.0	68.8	73.1	78.9	82.8	83.1	83.1	85.1	86.4	86.4	87.7	88.3	88.3	88.3	88.3	89.0
IV 300	12.0	69.2	73.4	78.9	83.1	83.4	83.4	85.4	86.7	86.7	88.0	88.6	88.6	88.6	89.0	89.3
IV 200	12.0	69.2	73.4	78.9	83.1	83.4	83.4	85.4	86.7	86.7	88.0	88.6	88.6	88.6	89.0	89.6
IV 100	12.0	69.2	73.4	78.9	83.1	83.4	83.4	85.4	86.7	86.7	88.0	88.6	88.6	88.6	89.0	89.6
IV 0	12.0	69.2	73.4	78.9	83.1	83.4	83.4	85.4	86.7	86.7	88.0	88.6	88.6	88.6	89.0	89.6

TOTAL NUMBER OF OBSERVATIONS 108

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-82

YEAR

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

07

GROUP (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	8.9	39.3	42.2	44.8	46.1	46.4	46.6	47.1	47.4	47.7	47.7	47.7	47.7	47.7	49.1	48.1
≥ 20000	9.4	41.2	44.2	47.1	48.7	49.4	49.7	50.0	50.3	50.7	50.7	50.7	50.7	50.7	51.0	51.3
WV 18000	9.4	41.6	44.5	47.4	49.1	49.7	50.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.3	51.6
WV 14000	9.4	41.6	44.5	47.4	49.1	49.7	50.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.3	51.6
WV 14000	9.4	41.6	44.5	47.4	49.1	49.7	50.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.3	51.6
WV 12000	9.4	42.5	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
WV 10000	9.4	42.5	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
WV 9000	9.4	42.5	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
WV 8000	9.7	44.5	47.4	50.3	52.3	52.9	53.3	53.6	53.9	54.2	54.2	54.2	54.2	54.2	54.6	54.9
WV 7000	9.7	44.5	47.4	50.3	52.3	52.9	53.3	53.6	53.9	54.2	54.2	54.2	54.2	54.2	54.6	54.9
WV 6000	10.1	44.8	47.7	50.7	52.6	53.3	53.6	53.9	54.2	54.6	54.6	54.6	54.6	54.6	54.9	55.2
WV 5000	10.4	45.1	48.1	51.0	52.9	53.6	53.9	54.2	54.6	54.9	54.9	54.9	54.9	54.9	55.2	55.5
WV 4500	10.4	45.5	48.4	51.3	53.3	53.9	54.2	54.6	54.9	55.2	55.2	55.2	55.2	55.2	55.5	55.8
WV 4000	10.4	45.5	48.7	51.6	53.6	54.2	54.6	54.9	55.2	55.5	55.5	55.5	55.5	55.5	55.8	56.2
WV 3500	10.4	47.7	50.7	53.6	55.8	56.5	56.8	57.1	57.5	57.8	57.8	57.8	57.8	57.8	58.1	58.4
WV 3000	11.7	50.0	52.9	55.8	58.1	58.8	59.1	59.4	59.7	60.1	60.1	60.1	60.1	60.1	60.4	60.7
WV 2500	12.3	52.3	55.2	58.1	60.7	61.4	61.7	62.0	62.3	62.7	62.7	62.7	62.7	62.7	63.0	63.3
WV 2000	12.3	54.6	58.1	61.0	63.6	64.3	64.6	64.9	65.3	65.9	65.9	65.9	65.9	65.9	66.2	66.6
WV 1800	12.3	55.2	59.1	62.3	64.9	65.6	65.9	66.2	66.6	67.2	67.2	67.2	67.2	67.2	67.5	67.9
WV 1500	12.3	55.8	63.6	68.2	71.1	71.8	72.1	72.4	72.7	73.4	73.4	73.4	73.4	73.4	73.7	74.4
WV 1200	12.3	57.1	64.6	69.5	73.4	74.0	74.4	74.7	75.0	75.7	75.7	75.7	75.7	75.7	76.0	76.6
WV 1000	12.3	57.7	65.3	70.5	74.7	75.3	75.6	75.9	76.3	77.3	77.3	77.3	77.3	77.3	77.6	78.6
WV 900	12.3	57.7	65.6	70.8	75.7	77.0	78.3	78.9	79.2	80.2	80.5	80.5	80.5	80.5	80.8	81.5
WV 800	12.3	57.7	65.9	71.4	76.3	77.9	79.6	80.2	80.5	81.5	81.8	81.8	81.8	81.8	82.1	82.8
WV 700	12.3	57.7	66.2	71.4	77.0	78.9	81.2	81.8	82.1	83.1	83.4	83.4	83.4	83.4	83.8	84.4
WV 600	12.3	57.7	66.2	71.4	77.0	79.6	81.8	83.1	83.4	85.4	85.7	85.7	85.7	85.7	86.0	86.7
WV 500	12.3	57.7	66.2	71.4	77.0	79.6	81.8	83.8	84.1	86.7	87.3	87.3	87.3	87.3	88.3	89.0
WV 400	12.3	57.7	66.2	71.4	77.0	79.9	82.1	84.1	84.7	87.3	88.3	88.3	88.3	88.3	89.6	90.3
WV 300	12.3	57.7	66.2	71.4	77.0	79.9	82.1	84.1	84.7	87.3	88.3	88.3	88.3	88.3	89.9	90.9
WV 200	12.3	57.7	66.2	71.4	77.0	79.9	82.1	84.1	84.7	87.3	88.3	88.3	88.3	88.3	89.9	90.9
WV 100	12.3	57.7	66.2	71.4	77.0	79.9	82.1	84.1	84.7	87.3	88.3	88.3	88.3	88.3	89.9	90.9
WV 0	12.3	57.7	66.2	71.4	77.0	79.9	82.1	84.1	84.7	87.3	88.3	88.3	88.3	88.3	89.9	90.9

TOTAL NUMBER OF OBSERVATIONS

308

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

73-82

YEARS

0LT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	9.4	44.5	51.0	54.9	61.1	64.7	69.2	69.8	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 20000	9.4	47.1	54.2	58.1	64.3	68.5	72.7	73.4	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 18000	9.4	47.4	54.9	58.4	64.9	69.2	73.4	74.0	74.0	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 16000	9.4	47.4	54.9	58.4	64.9	69.2	73.4	74.0	74.0	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 14000	9.4	46.4	55.5	59.4	65.6	69.8	74.0	74.7	75.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3
IV 12000	9.4	46.7	56.2	60.1	66.2	70.5	74.7	75.3	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 10000	9.4	47.4	56.8	60.7	66.9	71.1	75.3	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 9000	9.4	49.6	56.8	60.7	66.9	71.1	75.3	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 8000	9.4	49.7	57.1	61.4	67.5	71.8	76.0	76.6	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 7000	9.4	49.7	57.1	61.4	67.5	71.8	76.0	76.6	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 6000	9.4	49.7	57.1	61.4	67.5	71.8	76.0	76.6	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 5000	10.1	50.7	58.1	62.3	68.8	73.1	77.3	77.9	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4500	10.1	51.0	58.4	62.7	69.2	73.4	77.6	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4000	11.0	50.6	60.4	64.0	71.1	75.3	79.6	80.2	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 3500	11.7	54.6	62.3	66.4	73.1	77.3	81.5	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3000	12.1	57.5	65.3	69.5	76.0	80.2	84.4	85.1	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 2500	12.0	54.7	67.5	72.7	79.2	83.4	88.6	88.6	88.6	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 2000	12.3	62.0	70.1	75.3	81.8	86.1	90.6	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1800	12.3	63.0	71.1	76.3	82.8	87.0	91.6	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1600	12.3	63.3	71.4	77.0	83.8	88.0	92.5	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1400	12.3	63.5	71.4	77.0	83.8	88.0	92.5	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1200	12.3	63.5	71.4	77.0	83.8	88.0	92.5	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1000	12.3	63.6	72.1	78.3	85.1	89.3	94.8	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 900	12.3	64.0	72.4	78.4	86.0	90.3	95.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 800	12.3	64.0	72.4	78.4	86.0	90.3	95.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 700	12.3	64.0	72.4	78.4	86.0	90.3	95.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 600	12.3	64.0	72.4	78.4	86.0	90.3	95.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 500	12.3	64.0	72.4	78.4	86.0	90.3	95.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 400	12.3	64.0	72.4	78.4	86.0	90.3	95.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 300	12.3	64.0	72.4	78.4	86.0	90.3	95.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 200	12.3	64.0	72.4	78.4	86.0	90.3	95.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 100	12.3	64.0	72.4	78.4	86.0	90.3	95.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 0	12.3	64.0	72.4	78.4	86.0	90.3	95.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS 108

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
E. TORO, CALIFORNIA

YEAR
73-82

MONTH
01

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NUMBER OF DAYS
13

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	12.7	51.6	58.8	63.7	71.2	74.5	79.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 20000	12.7	54.9	62.5	68.3	73.8	79.1	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 18000	12.7	54.9	62.5	69.9	76.5	79.7	84.6	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 16000	12.7	54.9	62.5	69.9	76.5	79.7	84.6	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 14000	12.7	55.2	63.1	67.6	77.1	80.4	85.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 12000	12.7	55.2	63.1	67.6	77.1	80.4	85.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 10000	12.7	55.5	64.4	70.9	78.4	82.0	86.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 9000	12.7	55.5	64.4	70.9	78.4	82.0	86.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 8000	12.7	55.5	64.4	70.9	78.4	82.0	86.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 7000	12.7	55.5	64.4	70.9	78.4	82.0	86.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 6000	12.7	56.9	64.7	71.2	78.8	82.4	87.3	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 5000	12.7	57.2	65.1	71.6	79.1	82.7	87.6	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 4500	12.7	57.5	65.4	71.9	79.4	83.1	87.9	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 4000	13.1	57.2	66.0	72.6	80.1	83.7	88.6	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 3500	13.1	57.2	67.3	74.5	82.0	85.6	90.5	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 3000	13.1	61.8	69.9	77.5	85.0	88.6	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 2500	13.7	64.1	72.2	79.7	87.3	90.9	95.8	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 2000	14.4	65.7	73.9	81.4	88.9	92.5	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1800	14.4	66.0	74.2	81.7	89.2	92.8	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1500	14.7	67.0	75.2	82.7	90.2	93.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	14.7	67.3	75.5	83.0	90.5	94.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 306

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ALEXANDRIA, NC

CEILING VERSUS VISIBILITY

STATION

AL TOP, CALIFORNIA

STATION NAME

73-12

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

16

NOVEMBER 1973

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	14.1	65.4	65.2	72.4	76.6	79.2	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 20000	14.1	65.4	71.8	76.6	80.2	83.1	86.7	86.4	84.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 18000	14.1	63.5	72.1	76.3	80.5	83.8	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 16000	14.1	63.5	72.1	76.3	80.5	83.8	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 14000	14.1	63.5	72.1	76.3	80.5	83.8	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 12000	14.1	64.6	73.7	77.4	82.1	85.4	88.3	88.6	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 10000	14.1	66.2	75.3	79.6	83.8	87.3	89.9	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 9000	14.1	66.2	75.3	79.6	83.8	87.3	89.9	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 8000	14.1	66.6	75.3	79.6	84.1	87.3	90.3	90.6	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 7000	14.1	66.6	75.3	79.6	84.1	87.3	90.3	90.6	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 6000	14.1	66.6	75.3	79.6	84.1	87.3	90.3	90.6	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 5000	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 4500	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 4000	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 3500	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 3000	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2500	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2000	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1800	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1500	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1200	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1000	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 900	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 800	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 700	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 600	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 500	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 400	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 300	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 200	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 100	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 0	14.1	67.2	76.1	80.3	84.7	88.3	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6

TOTAL NUMBER OF OBSERVATIONS

108

DIRNAVOCEANMET SMCS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TOPU, CALIFORNIA

STATION NAME

73-82

YEAR

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	13.0	60.2	70.8	73.7	77.1	77.3	77.6	77.9	77.9	73.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 20000	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 18000	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 16000	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 14000	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 12000	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 10000	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 9000	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 8000	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 7000	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 6000	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 5000	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 4500	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 4000	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3500	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3000	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2500	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2000	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 1800	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 1600	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 1400	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 1200	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 1000	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 900	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 800	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 700	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 600	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 500	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 400	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 300	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 200	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 100	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 0	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5

TOTAL NUMBER OF OBSERVATIONS 398

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL PASO, CALIFORNIA

73-82

YEARS

207

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

72

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	13.4	61.4	62.7	65.6	66.6	67.5	68.8	69.5	69.5	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 20000	13.4	63.3	65.3	68.2	69.5	70.5	71.8	72.4	72.4	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 18000	13.4	63.6	65.6	68.5	69.8	70.8	72.1	72.7	72.7	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 16000	13.4	63.5	65.5	68.4	69.7	70.7	72.0	72.6	72.6	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 14000	13.4	64.6	66.6	69.5	70.8	71.8	73.1	73.7	73.7	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 12000	13.4	65.6	67.5	70.5	71.8	72.7	74.0	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 10000	14.1	66.6	68.5	71.4	73.1	74.1	75.3	76.0	76.0	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 9000	14.1	66.6	68.5	71.4	73.1	74.1	75.3	76.0	76.0	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 8000	14.3	66.4	68.4	71.3	73.4	74.4	75.7	76.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 7000	14.3	66.4	68.4	71.3	73.4	74.4	75.7	76.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 6000	14.3	66.4	68.4	71.3	73.4	74.4	75.7	76.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 5000	14.3	67.2	69.2	72.4	73.7	74.7	76.0	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4500	14.3	67.2	69.2	72.4	73.7	74.7	76.0	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4000	14.3	67.2	69.2	72.4	73.7	74.7	76.0	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 3500	14.6	68.2	70.1	73.4	74.7	75.7	77.0	77.6	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 3000	14.6	68.2	70.1	73.4	74.7	75.7	77.0	77.6	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 2500	15.6	70.4	72.7	76.0	77.3	78.3	79.6	80.2	80.2	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 2000	15.6	74.4	76.3	79.6	80.8	81.8	83.1	83.8	83.8	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 1800	15.6	74.4	76.3	79.6	80.8	81.8	83.1	83.8	83.8	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 1500	15.6	77.2	79.2	83.4	84.7	85.7	87.0	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1200	15.6	77.2	79.2	83.4	84.7	85.7	87.0	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1000	15.6	77.2	79.2	83.4	84.7	85.7	87.0	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 900	15.6	77.2	79.2	83.4	84.7	85.7	87.0	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 800	15.6	77.2	79.2	83.4	84.7	85.7	87.0	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 700	15.6	77.2	79.2	83.4	84.7	85.7	87.0	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 600	15.6	77.2	79.2	83.4	84.7	85.7	87.0	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 500	15.6	77.2	79.2	83.4	84.7	85.7	87.0	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 400	15.6	77.2	79.2	83.4	84.7	85.7	87.0	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 300	15.6	77.2	79.2	83.4	84.7	85.7	87.0	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 200	15.6	77.2	79.2	83.4	84.7	85.7	87.0	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 100	15.6	77.2	79.2	83.4	84.7	85.7	87.0	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 0	15.6	77.2	79.2	83.4	84.7	85.7	87.0	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3

TOTAL NUMBER OF OBSERVATIONS

375

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-92

DATE NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
MONTHS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 3/16	≥ 0
NO CEILING	11.7	52.6	56.6	59.7	62.7	64.3	66.2	66.6	66.7	67.0	67.1	67.1	67.1	67.1	67.1	67.3
≥ 20000	11.7	55.1	59.4	62.8	66.2	67.8	69.7	70.1	70.2	70.5	70.6	70.6	70.6	70.6	70.7	70.8
≥ 19000	11.7	55.2	59.6	63.1	66.5	68.1	70.0	70.5	70.5	70.9	71.0	71.0	71.0	71.0	71.0	71.2
≥ 18000	11.7	55.2	59.6	63.1	66.5	68.1	70.0	70.5	70.5	70.9	71.0	71.0	71.0	71.0	71.0	71.2
≥ 17000	11.7	55.6	60.0	63.5	66.9	68.5	70.4	70.9	70.9	71.3	71.4	71.4	71.4	71.4	71.5	71.6
≥ 16000	11.7	56.6	61.0	64.5	67.9	69.5	71.4	71.9	71.9	72.3	72.4	72.4	72.4	72.4	72.4	72.5
≥ 15000	11.8	57.5	61.9	65.6	69.0	70.7	72.6	73.0	73.1	73.4	73.6	73.6	73.6	73.6	73.6	73.7
≥ 14000	11.8	57.5	61.9	65.6	69.0	70.7	72.6	73.0	73.1	73.4	73.6	73.6	73.6	73.6	73.6	73.7
≥ 13000	12.0	58.1	62.5	66.2	69.7	71.3	73.2	73.7	73.7	74.1	74.2	74.2	74.2	74.2	74.3	74.4
≥ 12000	12.1	58.2	62.6	66.3	69.8	71.5	73.4	73.8	73.8	74.2	74.3	74.3	74.3	74.3	74.3	74.5
≥ 11000	12.1	58.2	62.6	66.3	69.8	71.5	73.4	73.8	73.8	74.2	74.3	74.3	74.3	74.3	74.3	74.5
≥ 10000	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 9000	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 8000	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 7000	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 6000	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 5000	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 4500	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 4000	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 3500	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 3000	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 2500	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 2000	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 1800	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 1600	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 1400	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 1200	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 1000	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 900	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 800	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 700	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 600	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 500	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 400	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 300	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 200	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 100	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 0	12.2	58.4	63.2	66.9	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.1

TOTAL NUMBER OF OBSERVATIONS 2442

DIRNAVOCEANMET MOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NOV
1951
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 0
NO CEILING	14.3	68.3	69.3	7.7	72.3	73.3	74.7	74.7	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.7
≥ 20000	14.3	71.3	72.3	73.7	75.3	76.3	77.7	77.7	77.7	77.7	78.3	78.3	78.3	78.3	78.3	78.7
≥ 18000	15.3	71.7	72.7	74.7	75.7	76.7	77.3	78.3	78.3	78.3	78.7	78.7	78.7	78.7	78.7	79.7
≥ 16000	15.3	71.7	72.7	74.7	75.7	76.7	77.3	78.3	78.3	78.3	78.7	78.7	78.7	78.7	78.7	79.7
≥ 14000	15.3	71.7	73.7	74.7	76.7	77.7	78.3	78.3	78.3	78.7	79.3	79.3	79.3	79.3	79.3	79.7
≥ 12000	15.3	71.7	73.7	74.7	76.7	77.7	78.3	78.3	78.3	78.7	79.3	79.3	79.3	79.3	79.3	79.7
≥ 10000	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 9000	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 8000	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 7000	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 6000	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 5000	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 4500	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 4000	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 3500	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 3000	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 2500	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 2000	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 1800	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 1500	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 1200	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 1000	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 900	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 800	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 700	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 600	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 500	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 400	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 300	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 200	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 100	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7
≥ 0	15.7	72.7	73.7	75.7	76.7	77.7	78.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL YORO, CALIFORNIA

73-92

NCV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

74
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	16.0	55.7	68.0	69.7	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	73.0	73.0	73.0	73.7
≥ 20000	16.0	60.3	68.7	69.7	73.3	73.0	75.3	73.3	73.3	73.3	73.3	73.3	73.7	73.7	73.7	74.3
≥ 18000	16.0	60.3	68.7	69.7	73.3	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.7	73.7	73.7	74.3
≥ 16000	16.0	60.3	68.7	69.7	73.3	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.7	73.7	73.7	74.3
≥ 14000	16.0	60.3	68.7	69.7	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.7	73.7	73.7	74.3
≥ 12000	16.0	67.3	69.7	70.7	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	75.3
≥ 10000	15.0	63.0	70.3	71.3	74.7	74.7	75.0	75.0	75.3	75.3	75.3	75.3	75.7	75.7	75.7	76.0
≥ 9000	16.0	68.3	70.7	71.7	75.3	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.7	75.7	75.7	76.3
≥ 8000	16.0	68.7	71.0	72.0	75.3	75.3	75.7	75.7	75.7	75.7	75.7	75.7	76.0	76.0	76.0	76.7
≥ 7000	16.0	66.7	71.0	72.0	75.3	75.3	75.7	75.7	75.7	75.7	75.7	75.7	76.0	76.0	76.0	76.7
≥ 6000	15.0	63.7	71.0	72.0	75.3	75.3	75.7	75.7	75.7	75.7	75.7	75.7	76.0	76.0	76.0	76.7
≥ 5000	16.0	69.0	71.3	72.3	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.3	76.3	76.3	77.0
≥ 4500	16.0	69.0	71.3	72.3	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.3	76.3	76.3	77.0
≥ 4000	16.0	70.3	72.7	73.7	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	78.3
≥ 3500	16.0	71.0	73.3	74.3	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.3	78.3	78.3	79.0
≥ 3000	17.0	74.0	77.3	78.3	81.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.7	82.7	82.7	83.3
≥ 2500	17.0	76.0	79.0	80.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.3	84.3	84.3	85.0
≥ 2000	17.0	78.0	81.0	82.0	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.3	86.3	86.3	87.0
≥ 1800	18.0	78.3	81.3	82.3	85.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.7	86.7	86.7	87.3
≥ 1500	18.0	79.0	82.3	83.7	87.0	87.0	87.7	87.7	87.7	87.7	87.7	87.7	88.0	88.0	88.0	88.7
≥ 1200	18.0	79.7	83.7	85.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.7
≥ 1000	18.0	80.3	84.3	86.0	89.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	91.0	91.0	91.0	91.7
≥ 900	18.0	80.3	84.3	86.0	90.7	91.0	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.3
≥ 800	18.0	80.3	84.3	86.0	90.7	91.0	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.3
≥ 700	18.0	80.3	84.3	86.0	90.7	91.0	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.3
≥ 600	18.0	80.3	84.3	86.0	90.7	91.0	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.3
≥ 500	18.0	80.3	84.3	86.0	90.7	91.0	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.3
≥ 400	18.0	80.3	84.3	86.0	90.7	91.0	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.3
≥ 300	18.0	80.3	84.3	86.0	90.7	91.0	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.3
≥ 200	18.0	80.3	84.3	86.0	90.7	91.0	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.3
≥ 100	18.0	80.3	84.3	86.0	90.7	91.0	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.3
≥ 0	18.0	80.3	84.3	86.0	90.7	91.0	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.3

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

17
4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 11 TORG, CALIFORNIA STATION NAME

73-82 YEARS

NCV NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

77
HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	16.7	83.3	64.6	66.7	67.3	67.7	67.7	68.3	69.0	69.0	69.0	68.3	68.0	68.0	68.7	68.7
≥ 20000	17.0	67.3	68.3	70.7	72.0	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.3
≥ 18000	17.0	67.7	68.7	71.0	72.3	72.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.7
≥ 16000	17.0	67.7	68.7	71.0	72.3	72.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.7
≥ 14000	17.0	68.0	69.0	71.3	72.7	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	74.0
≥ 12000	17.0	69.3	70.3	72.7	74.0	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	75.3
≥ 10000	17.0	70.0	71.3	73.3	74.7	75.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	76.0
≥ 9000	17.0	70.0	71.3	73.3	74.7	75.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	76.0
≥ 8000	17.0	71.0	72.0	74.3	75.7	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	77.0
≥ 7000	17.0	71.0	72.0	74.3	75.7	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	77.0
≥ 6000	17.0	71.3	72.3	74.3	75.7	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	77.0
≥ 5000	17.0	71.0	72.7	74.3	75.7	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	77.0
≥ 4500	17.0	71.0	72.0	74.3	75.7	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	77.0
≥ 4000	17.3	72.0	73.0	75.3	76.7	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	78.0
≥ 3500	17.3	72.7	73.7	76.3	77.3	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.7
≥ 3000	17.3	74.3	75.3	77.7	79.1	79.7	79.7	80.2	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.7
≥ 2500	17.3	76.7	78.0	80.3	81.7	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	83.3
≥ 2000	17.7	78.0	79.3	82.0	83.3	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	85.3
≥ 1800	17.7	78.0	79.3	82.0	83.3	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	85.3
≥ 1500	18.0	79.3	80.7	83.3	84.7	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.7
≥ 1200	18.0	80.0	81.3	84.0	85.7	86.3	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.7
≥ 1000	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.7
≥ 900	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	90.3
≥ 800	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	90.7
≥ 700	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	91.7
≥ 600	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	91.7
≥ 500	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	91.7
≥ 400	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	91.7
≥ 300	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	91.7
≥ 200	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	91.7
≥ 100	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	91.7
≥ 0	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	91.7

TOTAL NUMBER OF OBSERVATIONS 500

DIRNAVOCEANMET SMOP

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

LL TORD, CALIFORNIA

STATION NAME

73-82

YEARS

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	18.3	56.7	62.0	64.0	66.7	69.7	70.3	70.7	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3
≥ 20000	18.7	64.7	69.0	70.0	72.7	75.0	76.7	77.0	77.0	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 18000	18.7	64.7	68.0	70.0	73.0	75.3	77.0	77.3	77.3	77.7	78.0	78.0	78.0	78.0	78.0	78.0
IV 16000	18.7	64.7	68.0	70.0	73.0	75.3	77.0	77.3	77.3	77.7	78.0	78.0	78.0	78.0	78.0	78.0
IV 14000	19.0	66.0	69.3	71.3	74.3	76.7	78.3	78.7	78.7	79.3	79.7	79.7	79.7	79.7	79.7	79.7
IV 12000	19.0	66.7	70.0	72.3	75.0	77.3	79.0	79.3	79.3	80.0	80.3	80.3	80.3	80.3	80.3	80.3
IV 10000	19.3	67.7	71.7	74.0	77.0	79.3	81.0	81.3	81.3	82.0	82.3	82.3	82.3	82.3	82.3	82.3
IV 9000	19.3	67.7	71.7	74.0	77.0	79.3	81.0	81.3	81.3	82.0	82.3	82.3	82.3	82.3	82.3	82.3
IV 8000	19.3	68.7	72.7	75.0	78.0	80.3	82.0	82.3	82.3	83.0	83.3	83.3	83.3	83.3	83.3	83.3
IV 7000	19.3	69.3	73.3	75.7	78.7	81.0	82.7	83.0	83.0	83.7	84.0	84.0	84.0	84.0	84.0	84.0
IV 6000	19.3	69.3	73.3	75.7	78.7	81.0	82.7	83.0	83.0	83.7	84.0	84.0	84.0	84.0	84.0	84.0
IV 5000	19.3	69.7	73.7	76.0	79.0	81.3	83.0	83.3	83.3	84.0	84.3	84.3	84.3	84.3	84.3	84.3
IV 4500	19.3	70.0	74.0	76.3	79.3	81.7	83.3	83.7	83.7	84.3	84.7	84.7	84.7	84.7	84.7	84.7
IV 4000	19.3	70.7	74.7	77.0	80.0	82.3	84.0	84.3	84.3	85.0	85.3	85.3	85.3	85.3	85.3	85.3
IV 3500	19.3	71.3	75.3	77.7	80.7	83.0	84.7	85.0	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000	20.3	73.0	77.7	80.0	83.0	85.3	87.0	87.3	87.3	88.0	88.3	88.3	88.3	88.3	88.3	88.3
IV 2500	21.0	75.0	79.7	82.0	85.0	87.7	89.3	89.7	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7
IV 2000	21.0	76.3	81.0	83.7	87.0	89.7	91.3	91.7	91.7	92.3	92.7	92.7	92.7	92.7	92.7	92.7
IV 1800	21.0	76.3	81.0	83.7	87.0	89.7	91.3	91.7	91.7	92.3	92.7	92.7	92.7	92.7	92.7	92.7
IV 1500	21.3	76.7	81.7	84.7	88.3	91.3	93.0	93.3	93.3	94.0	94.3	94.3	94.3	94.3	94.3	94.3
IV 1200	21.3	77.0	82.0	85.0	88.7	91.7	93.3	93.7	93.7	94.3	94.7	94.7	94.7	94.7	94.7	94.7
IV 1000	21.3	77.3	82.3	85.3	89.0	92.0	94.3	94.7	94.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7
IV 900	21.3	77.3	82.3	85.3	89.3	92.3	94.3	94.7	94.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7
IV 800	21.3	77.7	82.7	85.7	89.3	92.3	94.7	95.3	95.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7
IV 700	21.3	77.7	82.7	85.7	89.3	92.3	94.7	95.3	95.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7
IV 600	21.3	77.7	82.7	85.7	89.3	92.3	94.7	95.7	95.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
IV 500	21.3	77.7	82.7	85.7	89.3	92.3	94.7	95.7	95.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
IV 400	21.3	77.7	82.7	85.7	89.3	92.3	94.7	95.7	95.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
IV 300	21.3	77.7	82.7	85.7	89.3	92.3	94.7	95.7	95.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
IV 200	21.3	77.7	82.7	85.7	89.3	92.3	94.7	95.7	95.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
IV 100	21.3	77.7	82.7	85.7	89.3	92.3	94.7	95.7	95.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
IV 0	21.3	77.7	82.7	85.7	89.3	92.3	94.7	95.7	95.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-82

YEAR

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.4	54.4	62.9	65.9	69.9	71.6	73.6	74.4	74.4	75.3	75.6	75.6	75.6	75.6	75.6	75.6
IV 20000	17.4	54.2	67.6	7.9	75.6	77.6	79.6	80.6	82.6	81.3	81.6	81.6	81.6	81.6	81.6	81.6
IV 18000	17.4	54.6	67.9	71.2	75.9	76.3	80.3	81.3	81.3	81.9	82.3	82.3	82.3	82.3	82.3	82.3
IV 16000	17.4	54.6	67.9	71.2	75.9	76.3	80.3	81.3	81.3	81.9	82.3	82.3	82.3	82.3	82.3	82.3
IV 14000	17.7	65.6	68.9	72.2	76.9	79.3	81.3	82.3	82.3	82.9	83.3	83.3	83.3	83.3	83.3	83.3
IV 12000	17.7	66.6	69.9	73.2	77.9	80.3	82.3	83.3	83.3	84.0	84.3	84.3	84.3	84.3	84.3	84.3
IV 10000	17.7	67.9	71.6	74.9	79.6	81.9	84.0	85.3	85.3	85.6	86.0	86.0	86.0	86.0	86.0	86.0
IV 9000	17.7	67.9	71.6	74.9	79.6	81.9	84.0	85.3	85.3	85.6	86.0	86.0	86.0	86.0	86.0	86.0
IV 8000	18.3	68.9	72.6	75.9	80.6	82.9	85.7	86.3	86.3	86.6	87.0	87.0	87.0	87.0	87.0	87.0
IV 7000	18.3	68.2	72.9	76.3	80.6	83.3	85.3	86.3	86.3	87.0	87.3	87.3	87.3	87.3	87.3	87.3
IV 6000	18.4	69.6	73.2	76.6	81.3	83.6	85.6	86.6	86.6	87.3	87.6	87.6	87.6	87.6	87.6	87.6
IV 5000	18.7	70.9	74.6	77.9	82.6	85.0	87.0	88.0	88.0	88.6	89.0	89.0	89.0	89.0	89.0	89.0
IV 4500	18.7	70.9	74.6	77.9	82.6	85.0	87.0	88.0	88.0	88.6	89.0	89.0	89.0	89.0	89.0	89.0
IV 4000	18.7	70.9	74.6	77.9	82.6	85.0	87.0	88.0	88.0	88.6	89.0	89.0	89.0	89.0	89.0	89.0
IV 3500	18.7	70.9	74.6	77.9	82.6	85.0	87.0	88.0	88.0	88.6	89.0	89.0	89.0	89.0	89.0	89.0
IV 3000	19.7	73.6	77.6	81.3	86.7	88.3	90.3	91.3	91.3	92.0	92.3	92.3	92.3	92.3	92.3	92.3
IV 2500	20.7	76.6	80.6	84.3	89.3	91.6	93.7	94.7	94.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7
IV 2000	20.7	76.3	82.3	86.0	90.6	93.3	95.3	96.3	96.3	97.0	97.3	97.3	97.3	97.3	97.3	97.3
IV 1800	20.7	76.3	82.3	86.0	90.6	93.3	95.3	96.3	96.3	97.0	97.3	97.3	97.3	97.3	97.3	97.3
IV 1500	20.7	76.6	82.6	86.6	91.3	94.0	96.0	97.0	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0
IV 1200	20.7	76.9	82.9	87.3	91.6	94.3	96.3	97.3	97.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	20.7	76.9	83.3	87.3	92.7	94.7	96.7	98.3	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-82

YEARS

MOV
MONTH

16

NOV 1973

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	16.3	63.3	67.7	7.7	75.3	75.7	76.7	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 20000	16.3	71.3	75.7	78.7	83.7	83.7	84.3	85.0	85.3	85.3	85.7	85.3	85.3	85.3	85.3	85.3
≥ 18000	16.7	71.3	76.0	79.0	83.7	84.3	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 16000	16.7	71.3	76.0	79.0	83.7	84.3	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 14000	16.7	71.3	76.0	79.0	84.0	84.7	85.3	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 12000	16.7	72.7	77.3	85.3	85.3	86.0	86.7	87.3	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0
≥ 10000	17.0	73.7	78.3	81.3	86.3	87.0	87.7	88.3	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 9000	17.0	73.7	78.3	81.3	86.3	87.0	87.7	88.3	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 8000	17.0	73.7	78.3	81.3	86.3	87.0	87.7	88.3	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 7000	17.0	73.7	78.3	81.3	86.3	87.0	87.7	88.3	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 6000	17.3	74.0	78.7	81.7	86.7	87.3	88.0	88.7	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3
≥ 5000	17.3	74.0	78.7	81.7	86.7	87.3	88.0	88.7	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3
≥ 4500	17.3	74.0	78.7	81.7	86.7	87.3	88.0	88.7	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3
≥ 4000	17.3	74.0	78.7	81.7	86.7	87.3	88.0	88.7	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3500	18.0	76.3	81.3	84.7	89.7	90.3	91.0	91.7	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3000	18.0	77.7	82.7	86.0	91.7	91.7	92.3	93.0	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2500	18.3	79.7	84.7	88.3	93.3	94.0	94.7	95.3	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000	18.7	80.7	85.7	89.3	94.3	95.0	95.7	96.3	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800	18.7	80.7	85.7	89.3	94.3	95.0	95.7	96.3	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	18.7	81.3	86.3	90.0	95.0	95.7	96.3	97.0	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200	18.7	81.3	86.3	90.0	95.0	95.7	96.3	97.0	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	18.7	82.7	87.7	91.3	96.3	97.0	97.7	98.3	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	18.7	82.7	87.7	91.3	96.3	97.0	97.7	98.3	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	18.7	82.7	87.7	91.3	96.3	97.0	97.7	98.3	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	18.7	82.7	87.7	91.3	96.3	97.0	97.7	98.3	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	18.7	83.0	88.0	92.0	97.0	97.7	98.3	99.0	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0
≥ 500	18.7	83.0	88.0	92.0	97.0	97.7	98.3	99.0	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0
≥ 400	18.7	83.0	88.0	92.0	97.0	97.7	98.3	99.0	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0
≥ 300	18.7	83.0	88.0	92.0	97.0	97.7	98.3	99.0	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0
≥ 200	18.7	83.0	88.0	92.0	97.0	97.7	98.3	99.0	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0
≥ 100	18.7	83.0	88.0	92.0	97.0	97.7	98.3	99.0	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0
≥ 0	18.7	83.0	88.0	92.0	97.0	97.7	98.3	99.0	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TOPO, CALIFORNIA

73-82

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	17.1	74.0	75.7	76.7	78.1	79.0	79.3	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 20000	17.1	73.5	78.0	81.0	81.3	81.5	81.7	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 18000	17.0	73.7	78.3	81.3	81.7	81.7	82.0	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 16000	17.0	73.7	78.3	81.3	81.7	81.7	82.0	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 14000	17.0	74.7	79.7	83.7	83.7	83.0	83.3	83.7	83.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 12000	17.0	76.0	81.0	84.0	84.7	84.3	84.7	85.0	85.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 10000	17.0	76.7	81.7	84.7	85.0	85.0	85.3	85.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 9000	17.0	76.7	81.7	84.7	85.0	85.0	85.3	85.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 8000	17.3	77.0	82.0	85.0	85.3	85.3	85.7	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 7000	17.7	77.7	82.7	85.7	86.0	86.0	86.3	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 6000	17.7	77.7	82.7	85.7	86.0	86.0	86.3	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 5000	17.7	78.3	83.3	86.3	86.7	86.7	87.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 4500	17.7	78.7	83.7	86.7	87.0	87.0	87.3	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 4000	18.0	79.7	84.7	87.7	88.0	88.0	88.3	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3500	18.3	80.5	85.5	88.5	88.7	88.7	89.0	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	18.7	82.0	87.0	90.0	90.3	90.3	90.7	91.0	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2500	19.0	82.7	87.7	91.0	91.3	91.3	91.7	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2000	19.3	83.0	88.0	93.7	94.0	94.0	94.3	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	19.3	85.7	90.7	94.3	94.7	94.7	95.0	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	19.3	86.7	91.7	95.3	95.7	95.7	96.0	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	19.3	87.3	92.0	96.7	96.0	96.0	96.3	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	19.3	87.7	93.0	96.7	97.3	97.3	97.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	19.3	87.7	93.0	96.7	97.3	97.3	97.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	19.3	87.7	93.0	96.7	97.3	97.3	97.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	19.3	87.7	93.0	96.7	97.3	97.3	97.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	19.3	87.7	93.0	96.7	97.3	97.3	97.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	19.3	88.0	93.7	97.3	98.0	98.0	98.3	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	19.3	88.0	93.7	97.3	98.0	98.0	98.3	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	19.3	88.0	93.7	97.3	98.0	98.0	98.3	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	19.3	88.0	93.7	97.3	98.0	98.0	98.3	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	19.3	88.0	93.7	97.3	98.0	98.0	98.3	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	19.3	88.0	93.7	97.3	98.0	98.0	98.3	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

NOV

MONTH

22

HOURS (L.T.V.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
≥ 20000	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 18000	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 14000	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 10000	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 12000	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 10000	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 8000	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 7000	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 6000	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 5000	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 4500	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 4000	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 3500	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 3000	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 2500	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 2000	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 1800	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 1500	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 1200	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 1000	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 900	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 800	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 700	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 600	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 500	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 400	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 300	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 200	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 100	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7
IN 0	16.7	61.0	70.7	72.3	74.7	74.7	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

73-82

YEAR

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	14.6	54.4	67.5	69.7	72.1	72.9	73.4	74.1	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.7
≥ 20000	14.6	54.4	71.5	73.7	76.2	77.1	77.8	78.3	78.3	78.7	78.8	78.9	78.9	78.9	78.9	78.9
≥ 18000	15.3	60.7	71.7	73.4	76.5	77.3	78.1	78.5	78.7	79.0	79.2	79.2	79.2	79.2	79.2	79.2
≥ 16000	16.1	64.7	71.7	73.4	76.5	77.3	78.2	78.6	79.7	79.7	79.2	79.2	79.2	79.2	79.2	79.2
≥ 14000	16.4	69.2	72.2	74.4	77.1	77.9	78.7	79.2	79.2	79.2	79.7	79.8	79.8	79.8	79.8	79.8
≥ 12000	16.6	74.2	72.7	75.4	78.1	78.9	79.7	80.2	80.2	80.7	80.8	80.9	80.9	80.9	80.9	80.9
≥ 10000	17.1	71.7	74.0	76.3	79.7	79.8	80.6	81.1	81.2	81.6	81.7	81.7	81.8	81.8	81.8	81.8
≥ 9000	17.1	71.7	74.1	76.4	79.7	79.9	80.7	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 8000	17.1	71.4	74.6	76.8	79.7	80.3	81.1	81.6	81.7	82.1	82.2	82.2	82.3	82.3	82.3	82.3
≥ 7000	17.1	71.7	74.6	77.1	79.7	80.6	81.4	81.9	81.9	82.3	82.5	82.5	82.5	82.5	82.5	82.5
≥ 6000	17.2	71.7	74.9	77.2	79.8	80.7	81.5	82.0	82.1	82.4	82.6	82.6	82.6	82.6	82.6	82.6
≥ 5000	17.2	72.2	75.5	77.6	80.3	81.1	81.5	82.4	82.5	82.9	83.0	83.0	83.1	83.1	83.1	83.1
≥ 4500	17.3	72.3	75.5	77.7	80.4	81.2	82.0	82.5	82.5	83.0	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000	17.5	73.4	76.6	78.9	81.6	82.4	83.2	83.7	83.7	84.2	84.2	84.3	84.4	84.4	84.4	84.4
≥ 3500	17.6	74.2	77.4	79.7	82.4	83.2	84.0	84.5	84.5	85.0	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000	17.6	75.8	79.2	81.6	84.3	85.2	86.0	86.5	86.6	87.0	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2500	18.2	77.7	81.2	83.7	86.4	87.3	88.2	88.7	88.7	89.1	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	18.5	79.6	83.1	85.7	88.4	89.4	90.2	90.6	90.6	91.2	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800	18.6	79.7	83.2	85.8	88.5	89.5	90.3	90.9	90.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1500	18.7	80.3	84.2	87.0	89.8	90.8	91.7	92.2	92.3	92.7	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1200	18.7	81.3	85.1	87.9	90.8	91.9	92.7	93.3	93.3	93.7	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1000	18.7	81.9	85.9	88.8	91.7	93.0	93.9	94.6	94.6	95.1	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	18.7	82.4	85.9	88.8	91.9	93.0	94.0	94.6	94.7	95.3	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800	18.7	81.9	85.9	88.9	92.3	93.4	94.4	95.0	95.1	95.8	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	18.7	82.0	86.0	89.0	92.3	93.5	94.5	95.2	95.3	96.1	96.1	96.1	96.2	96.2	96.2	96.2
≥ 600	18.7	82.0	86.0	89.0	92.3	93.6	94.7	95.4	95.5	96.3	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	18.7	82.0	86.1	89.1	92.5	93.8	94.8	95.6	95.7	96.8	97.1	97.1	97.2	97.2	97.2	97.2
≥ 400	18.7	82.0	86.1	89.1	92.6	93.8	95.1	96.0	96.0	97.2	97.5	97.5	97.6	97.6	97.6	97.6
≥ 300	18.7	82.0	86.1	89.1	92.7	93.9	95.2	96.1	96.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7
≥ 200	18.7	82.0	86.1	89.1	92.7	93.9	95.2	96.1	96.2	97.4	97.8	97.8	97.8	97.8	97.8	97.8
≥ 100	18.7	82.0	86.1	89.1	92.7	93.9	95.2	96.1	96.2	97.5	97.8	97.8	97.8	97.8	97.8	97.8
≥ 0	18.7	82.0	86.1	89.1	92.7	93.9	95.2	96.1	96.2	97.5	97.8	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS

2399

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEARS

DEC

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (11.5%)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	17.7	65.8	65.8	73.7	73.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 20000	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
18000	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
16000	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
14000	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
12000	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
10000	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
8000	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
6000	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
4000	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
3000	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
2500	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
2000	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
1800	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
1600	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
1400	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
1200	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
1000	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
900	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
800	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
700	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
600	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
500	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
400	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
300	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
200	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
100	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
0	17.7	67.7	71.7	75.8	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS 311

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: EL PASO, CALIFORNIA DATE: 11-22 YEAR: 1966 DIRECTION: NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 20000	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 18000	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 16000	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 14000	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 12000	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 10000	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 9000	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 8000	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 7000	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 6000	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 5000	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 4500	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 4000	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 3500	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 3000	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 2500	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 2000	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 1800	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 1500	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 1200	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 1000	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 900	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 800	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 700	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 600	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 500	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 400	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 300	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 200	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 100	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2
≥ 0	12.4	64.2	65.2	66.4	71.7	71.3	72.2	73.2	73.3	73.4	73.9	73.7	74.2	74.2	74.2	74.2

TOTAL NUMBER OF OBSERVATIONS: 310

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-12

YEAR

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)7
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	14.5	5.0	62.0	15.5	66.8	67.1	68.1	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.0
≥ 20000	14.5	5.0	65.5	66.1	69.4	69.7	70.7	71.6	71.6	72.9	72.9	72.9	72.9	72.9	72.9	73.6
≥ 18000	14.5	51.1	65.5	65.4	69.7	70.1	71.0	71.9	71.9	73.2	73.2	73.2	73.2	73.2	73.2	73.6
≥ 16000	14.5	51.1	65.5	66.4	69.7	70.1	71.0	71.9	71.9	73.2	73.2	73.2	73.2	73.2	73.2	73.6
≥ 14000	14.5	51.1	66.1	69.3	70.3	70.7	71.6	72.6	72.6	73.9	74.2	74.2	74.2	74.2	74.2	74.6
≥ 12000	14.5	51.1	66.5	69.7	71.7	71.3	72.3	73.2	73.2	74.5	74.8	74.8	74.8	74.8	74.8	75.5
≥ 10000	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 9000	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 8000	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 7000	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 6000	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 5000	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 4500	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 4000	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 3500	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 3000	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 2500	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 2000	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 1800	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 1500	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 1200	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 1000	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 900	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 800	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 700	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 600	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 500	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 400	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 300	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 200	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 100	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1
≥ 0	14.5	51.1	67.1	70.0	71.6	71.9	72.9	73.9	73.9	75.2	75.5	75.5	75.5	75.5	75.5	76.1

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHLEY, ILL. NC

CEILING VERSUS VISIBILITY

STATION 11 7000, CALIFORNIA

77-82

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURLY (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	15.2	56.6	54.2	63.4	65.7	66.0	67.0	67.0	68.1	68.9	68.9	68.9	69.3	69.0	69.6	69.4
≥ 20000	15.2	62.5	65.7	69.9	73.1	73.5	74.8	75.1	75.7	76.7	76.7	76.7	77.1	77.4	77.4	77.4
IV 3000	15.2	62.5	66.0	71.2	73.5	73.8	74.8	75.4	76.1	77.1	77.1	77.1	77.4	77.7	77.7	77.7
IV 14000	15.2	62.5	66.0	73.2	73.5	73.8	74.8	75.4	76.1	77.1	77.1	77.1	77.4	77.7	77.7	77.7
IV 14000	15.2	62.5	66.0	73.2	73.5	74.1	75.1	75.7	76.4	77.4	77.4	77.4	77.7	78.0	78.0	78.0
IV 12000	15.2	64.1	67.6	72.6	75.4	76.1	77.0	77.7	78.3	79.3	79.3	79.3	79.6	79.9	79.9	79.9
IV 10000	15.2	64.7	68.7	72.6	76.1	76.7	77.7	78.3	79.0	79.9	79.9	79.9	80.3	80.6	80.6	80.6
IV 9000	15.2	65.1	68.9	73.1	76.8	77.1	78.0	78.6	79.2	80.3	80.3	80.3	80.6	80.9	80.9	80.9
IV 8000	15.2	65.7	69.3	73.6	77.3	77.7	78.6	79.3	79.9	80.9	80.9	80.9	81.2	81.6	81.6	81.6
IV 7000	15.2	66.0	69.6	74.1	77.4	78.0	79.0	79.6	80.3	81.2	81.2	81.2	81.6	81.9	81.9	81.9
IV 6000	15.2	66.4	69.6	74.4	77.4	78.0	79.0	79.6	80.3	81.2	81.2	81.2	81.6	81.9	81.9	81.9
IV 5000	15.2	66.7	70.2	74.8	78.3	78.6	79.6	80.3	80.9	81.6	81.6	81.6	82.2	82.5	82.5	82.5
IV 4500	15.2	67.1	70.6	75.1	78.3	79.0	79.9	80.6	81.2	82.2	82.2	82.2	82.5	82.9	82.9	82.9
IV 4000	15.2	67.0	70.5	75.1	78.3	79.0	79.9	80.6	81.2	82.2	82.2	82.2	82.5	82.9	82.9	82.9
IV 3500	17.2	66.0	71.5	76.1	79.3	79.9	80.9	81.6	82.2	83.2	83.2	83.2	83.5	83.8	83.8	83.8
IV 3000	17.5	66.9	72.5	77.4	80.3	80.9	81.9	82.5	83.2	84.1	84.1	84.1	84.5	84.8	84.8	84.8
IV 2500	17.5	71.2	73.8	75.0	81.9	82.9	84.5	85.1	85.4	86.7	86.7	86.7	87.1	87.4	87.4	87.4
IV 2000	17.5	71.9	74.4	81.9	84.5	85.4	87.4	88.0	88.7	90.0	90.0	90.0	90.3	90.6	90.6	90.6
IV 1800	17.5	74.4	74.4	83.8	84.5	85.4	87.4	88.0	88.7	90.0	90.0	90.0	90.3	90.6	90.6	90.6
IV 1500	17.5	72.5	77.3	83.8	87.4	88.4	90.3	90.9	91.5	93.2	93.2	93.2	93.5	93.9	93.9	93.9
IV 1200	17.5	71.9	77.4	84.5	87.7	88.7	90.6	91.6	92.2	93.4	93.4	93.4	93.9	94.2	94.2	94.2
IV 1000	17.5	73.8	78.3	85.4	89.3	90.3	92.2	93.2	93.9	95.6	95.6	95.6	96.1	96.4	96.4	96.4
IV 900	17.5	73.8	78.3	85.4	89.3	90.3	92.2	93.2	93.9	95.6	95.6	95.6	96.1	96.4	96.4	96.4
IV 800	17.5	73.8	78.3	85.4	89.3	90.3	92.2	93.2	93.9	95.6	95.6	95.6	96.1	96.4	96.4	96.4
IV 700	17.5	73.8	78.3	85.4	89.3	90.3	92.2	93.2	93.9	95.6	95.6	95.6	96.1	96.4	96.4	96.4
IV 600	17.5	73.8	78.3	85.4	89.3	90.3	92.2	93.2	93.9	95.6	95.6	95.6	96.1	96.4	96.4	96.4
IV 500	17.5	73.8	78.3	85.4	89.3	90.3	92.2	93.2	93.9	95.6	95.6	95.6	96.1	96.4	96.4	96.4
IV 400	17.5	73.8	78.3	85.4	89.3	90.3	92.2	93.2	93.9	95.6	95.6	95.6	96.1	96.4	96.4	96.4
IV 300	17.5	73.8	78.3	85.4	89.3	90.3	92.2	93.2	93.9	95.6	95.6	95.6	96.1	96.4	96.4	96.4
IV 200	17.5	73.8	78.3	85.4	89.3	90.3	92.2	93.2	93.9	95.6	95.6	95.6	96.1	96.4	96.4	96.4
IV 100	17.5	73.8	78.3	85.4	89.3	90.3	92.2	93.2	93.9	95.6	95.6	95.6	96.1	96.4	96.4	96.4
IV 0	17.5	73.8	78.3	85.4	89.3	90.3	92.2	93.2	93.9	95.6	95.6	95.6	96.1	96.4	96.4	96.4

TOTAL NUMBER OF OBSERVATIONS

329

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA

73-42

DLG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	¼	≥ 0
NO CEILING ≥ 20000	17.5	54.7	61.2	63.4	69.6	71.5	73.1	75.1	75.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 18000	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 16000	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 14000	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 12000	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 10000	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 9000	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 8000	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 7000	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 6000	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 5000	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 4500	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 4000	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 3500	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 3000	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2500	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2000	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1800	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1600	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1400	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1200	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1000	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 900	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 800	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 700	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 600	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 500	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 400	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 300	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 200	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 100	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 0	17.5	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5

TOTAL NUMBER OF OBSERVATIONS 309

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TOPO, CALIFORNIA

13-82

D.C.

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS PER DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	12.6	53.1	57.3	63.4	68.9	69.3	72.5	73.1	73.5	74.1	74.4	74.4	74.4	74.4	74.4	74.4
≥ 20000	13.4	57.4	62.8	67.5	75.4	76.1	79.3	80.6	80.9	81.6	81.9	81.9	81.9	81.9	81.9	81.9
≥ 18000	13.4	56.3	63.1	67.6	75.7	76.4	79.6	80.9	81.2	81.9	82.2	82.4	82.2	82.1	82.2	82.2
≥ 16000	13.4	56.3	63.1	69.6	75.7	76.4	79.6	80.9	81.2	82.2	82.5	82.5	82.5	82.5	82.5	82.5
≥ 14000	14.2	57.6	64.7	71.2	77.4	78.0	81.2	82.5	82.7	83.8	84.1	84.1	84.1	84.1	84.1	84.1
≥ 12000	14.2	67.2	66.3	72.9	79.3	79.6	83.2	84.5	84.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1
≥ 10000	14.2	53.1	58.3	74.8	80.9	81.6	85.1	86.4	86.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0
≥ 9000	14.2	63.1	64.3	74.8	80.9	81.6	85.1	86.4	86.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0
≥ 8000	14.2	64.7	69.7	76.4	82.5	83.5	87.1	88.4	88.7	89.6	90.0	90.0	90.0	90.0	90.0	90.0
≥ 7000	14.2	64.7	70.5	77.3	83.2	84.1	87.7	89.0	89.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6
≥ 6000	14.2	65.4	71.6	77.3	83.2	84.1	87.7	89.0	89.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6
≥ 5000	14.2	66.3	71.5	78.0	84.1	85.1	88.7	89.9	90.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4500	14.2	66.3	71.5	78.0	84.1	85.1	88.7	89.9	90.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4000	14.2	67.3	72.5	79.0	85.4	86.4	90.0	91.3	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3500	14.2	67.6	72.8	79.6	86.1	87.1	90.6	91.9	92.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5
≥ 3000	14.2	69.3	74.4	81.2	87.7	88.7	92.2	93.5	93.9	94.8	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2500	14.2	69.3	74.4	81.2	87.7	88.7	92.2	93.5	93.9	94.8	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000	14.2	71.2	75.4	82.9	89.6	90.6	94.2	95.6	96.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	14.2	70.6	75.7	83.2	90.0	90.9	94.5	96.1	96.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500	14.2	71.2	76.4	83.8	90.6	91.6	95.2	96.8	97.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	14.2	71.2	76.7	84.1	90.9	91.9	95.5	97.1	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	14.2	71.2	76.7	84.1	90.9	91.9	95.5	97.1	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	14.2	71.2	76.7	84.1	90.9	91.9	95.5	97.1	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	14.2	71.2	76.7	84.1	90.9	91.9	95.5	97.1	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	14.2	71.2	76.7	84.1	91.3	92.2	95.8	97.4	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	14.2	71.2	76.7	84.1	91.3	92.2	95.8	97.4	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	14.2	71.2	76.7	84.1	91.3	92.2	95.8	97.4	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	14.2	71.2	76.7	84.1	91.3	92.2	95.8	97.4	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	14.2	71.2	76.7	84.1	91.3	92.2	95.8	97.4	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	14.2	71.2	76.7	84.1	91.3	92.2	95.8	97.4	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	14.2	71.2	76.7	84.1	91.3	92.2	95.8	97.4	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	14.2	71.2	76.7	84.1	91.3	92.2	95.8	97.4	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANNMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
EL TORO, CALIFORNIA

DATE
7-7-92

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	25.0	52.9	66.0	71.2	73.5	74.1	75.4	75.4	76.4	77.4	77.7	77.7	77.7	77.7	77.7	78.0
N 20000	15.2	60.7	69.6	74.8	77.4	78.0	79.6	80.6	82.6	81.6	81.9	81.9	82.2	82.2	82.2	82.5
N 18000	15.2	60.7	69.6	74.8	77.4	78.0	79.6	80.6	80.6	81.6	81.9	81.9	82.2	82.2	82.2	82.5
N 16000	15.2	60.7	69.6	74.8	77.4	78.0	79.6	80.6	80.6	81.6	81.9	81.9	82.2	82.2	82.2	82.5
N 14000	15.5	67.3	70.6	75.7	78.3	79.0	80.6	81.6	81.6	82.5	82.9	82.9	83.2	83.2	83.2	83.5
N 12000	15.5	69.6	71.8	77.4	79.6	80.6	82.2	83.2	83.2	84.1	84.5	84.5	84.8	84.8	84.8	85.1
N 10000	15.4	71.5	74.8	79.9	82.5	83.5	85.1	86.1	86.1	87.1	87.4	87.4	87.7	87.7	87.7	88.0
N 9000	15.9	71.5	74.8	79.9	82.5	83.5	85.1	86.1	86.1	87.1	87.4	87.4	87.7	87.7	87.7	88.0
N 8000	15.4	72.8	76.1	81.2	83.8	84.8	86.4	87.4	87.4	88.4	88.7	88.7	89.0	89.0	89.0	89.3
N 7000	15.9	72.8	76.1	81.2	83.8	84.8	86.4	87.4	87.4	88.4	88.7	88.7	89.0	89.0	89.0	89.3
N 6000	15.4	72.8	76.1	81.2	83.8	84.8	86.4	87.4	87.4	88.4	88.7	88.7	89.0	89.0	89.0	89.3
N 5000	15.4	73.5	76.7	81.9	84.5	85.4	87.1	88.0	88.0	89.0	89.3	89.3	89.6	89.6	89.6	90.0
N 4500	15.4	73.5	76.7	81.9	84.5	85.4	87.1	88.0	88.0	89.0	89.3	89.3	89.6	89.6	89.6	90.0
N 4000	15.9	75.0	78.3	83.5	86.1	87.1	88.7	89.6	89.6	90.9	91.3	91.3	91.6	91.6	91.6	91.9
N 3500	16.2	75.7	79.0	84.1	86.7	87.7	89.3	90.3	90.3	91.6	91.9	91.9	92.2	92.2	92.2	92.6
N 3000	16.2	76.1	79.3	84.5	87.1	88.0	89.6	90.6	90.6	91.9	92.2	92.2	92.6	92.6	92.6	92.9
N 2500	16.2	76.7	79.9	85.1	87.7	88.7	90.3	91.3	91.3	92.6	92.9	92.9	93.2	93.2	93.2	93.5
N 2000	16.2	77.4	81.6	86.1	88.7	89.6	91.3	92.2	92.2	93.5	93.9	93.9	94.2	94.2	94.2	94.5
N 1800	16.2	78.0	81.2	86.7	89.3	90.3	91.9	92.9	92.9	94.2	94.5	94.5	94.8	94.8	94.8	95.2
N 1500	16.2	79.9	83.2	88.7	91.3	92.2	93.9	94.8	94.8	96.1	96.4	96.4	96.8	96.8	96.8	97.1
N 1200	16.5	80.3	83.5	89.0	91.6	92.6	94.2	95.2	95.2	96.4	96.8	96.8	97.1	97.1	97.1	97.4
N 1000	16.5	80.6	83.8	89.3	92.6	93.5	95.2	96.1	96.1	97.4	97.7	97.7	98.1	98.1	98.1	98.4
N 900	16.5	80.9	84.1	89.6	92.9	93.9	95.5	96.4	96.4	97.7	98.1	98.1	98.4	98.4	98.4	98.7
N 800	16.5	81.2	84.5	90.0	93.2	94.2	95.8	96.8	96.8	98.1	98.4	98.4	98.7	98.7	98.7	99.0
N 700	16.5	81.6	84.8	90.3	93.5	94.5	96.1	97.1	97.1	98.4	98.7	98.7	99.0	99.0	99.0	99.3
N 600	16.5	81.9	85.1	90.9	94.2	95.2	96.8	97.7	97.7	99.0	99.4	99.4	99.7	99.7	99.7	100.0
N 500	16.5	81.9	85.1	90.9	94.2	95.2	96.8	97.7	97.7	99.0	99.4	99.4	99.7	99.7	99.7	100.0
N 400	16.5	81.9	85.1	90.9	94.2	95.2	96.8	97.7	97.7	99.0	99.4	99.4	99.7	99.7	99.7	100.0
N 300	16.5	81.9	85.1	90.9	94.2	95.2	96.8	97.7	97.7	99.0	99.4	99.4	99.7	99.7	99.7	100.0
N 200	16.5	81.9	85.1	90.9	94.2	95.2	96.8	97.7	97.7	99.0	99.4	99.4	99.7	99.7	99.7	100.0
N 100	16.5	81.9	85.1	90.9	94.2	95.2	96.8	97.7	97.7	99.0	99.4	99.4	99.7	99.7	99.7	100.0
N 0	16.5	81.9	85.1	90.9	94.2	95.2	96.8	97.7	97.7	99.0	99.4	99.4	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 309

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: EL TORO, CALIFORNIA

73-82

YEARS

DATE: 3/1/73

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	14.0	62.6	65.4	56.6	72.5	73.1	74.8	74.8	74.8	75.4	75.4	75.4	75.4	75.4	75.7	75.7
≥ 20000	14.0	55.1	67.6	7.9	75.1	75.7	77.7	77.7	77.7	78.3	78.3	78.3	78.3	78.3	78.6	78.6
IV 18000	14.0	65.4	58.0	71.2	75.4	76.1	77.4	78.1	78.1	78.6	78.6	78.6	78.6	79.0	79.0	79.0
IV 16000	14.0	66.0	68.6	71.8	76.1	76.7	78.3	79.0	79.0	79.6	79.6	79.6	79.6	79.6	79.9	79.9
IV 14000	14.0	66.0	68.6	72.2	76.4	77.0	78.0	79.3	79.3	79.9	79.9	79.9	79.9	80.3	80.3	80.3
IV 12000	15.5	66.7	69.6	72.8	77.1	76.9	79.6	80.3	80.3	80.9	80.9	80.9	80.9	81.2	81.2	81.2
IV 10000	16.5	66.9	71.5	75.1	79.6	80.6	82.2	82.9	82.9	83.5	83.5	83.5	83.5	83.5	83.8	83.8
IV 9000	16.5	66.9	71.5	75.1	79.6	80.6	82.2	82.9	82.9	83.5	83.5	83.5	83.5	83.5	83.8	83.8
IV 8000	16.5	69.3	72.2	75.4	79.9	80.9	82.5	83.2	83.2	83.8	83.8	83.8	83.8	84.1	84.1	84.1
IV 7000	16.5	69.3	72.2	75.4	79.9	80.9	82.5	83.2	83.2	83.8	83.8	83.8	83.8	84.1	84.1	84.1
IV 6000	16.5	69.3	72.2	75.7	80.3	81.2	82.0	83.5	83.5	84.1	84.1	84.1	84.1	84.5	84.5	84.5
IV 5000	16.5	71.6	73.8	77.0	81.6	82.5	84.1	84.8	84.8	85.4	85.4	85.4	85.4	85.8	85.8	85.8
IV 4500	16.5	70.0	73.8	77.0	81.6	82.5	84.1	84.8	84.8	85.4	85.4	85.4	85.4	85.8	85.8	85.8
IV 4000	16.5	71.6	74.4	77.7	82.7	83.2	84.9	85.4	85.4	86.1	86.1	86.1	86.1	86.4	86.4	86.4
IV 3500	16.5	71.6	74.4	76.3	82.5	83.5	85.1	85.8	85.8	86.4	86.4	86.4	86.4	86.7	86.7	86.7
IV 3000	16.5	73.1	76.3	79.6	84.1	85.1	86.7	87.4	87.4	88.0	88.0	88.0	88.0	88.4	88.4	88.4
IV 2500	16.5	74.4	77.7	81.6	85.4	86.4	88.1	88.7	88.7	89.3	89.3	89.3	89.3	89.6	89.6	89.6
IV 2000	16.5	75.4	78.6	82.2	86.7	87.7	89.3	90.0	90.0	90.6	90.6	90.6	90.6	90.9	90.9	90.9
IV 1800	16.5	76.4	79.6	83.2	87.7	88.7	90.3	90.9	90.9	91.6	91.6	91.6	91.6	91.9	91.9	91.9
IV 1500	16.5	76.7	80.3	83.8	88.7	89.6	91.3	91.9	91.9	92.6	92.6	92.6	92.6	92.9	92.9	92.9
IV 1200	16.5	76.3	82.2	85.8	90.6	91.6	93.2	93.9	93.9	94.5	94.5	94.5	94.5	94.8	94.8	94.8
IV 1000	16.5	76.4	82.5	86.7	91.6	92.6	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.8	95.8	95.8
IV 900	16.5	76.6	82.5	86.7	91.6	92.6	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.8	95.8	95.8
IV 800	16.5	77.3	83.2	87.7	92.6	93.5	95.2	95.8	95.8	96.4	96.4	96.4	96.4	96.8	96.8	96.8
IV 700	16.5	77.3	83.2	87.7	92.6	93.5	95.2	95.8	95.8	96.4	96.4	96.4	96.4	96.8	96.8	96.8
IV 600	16.5	77.3	83.2	87.7	92.6	93.5	95.2	95.8	95.8	96.4	96.4	96.4	96.4	96.8	96.8	96.8
IV 500	16.5	77.3	83.2	87.7	92.6	93.5	95.2	95.8	95.8	96.4	96.4	96.4	96.4	96.8	96.8	96.8
IV 400	16.5	77.3	83.2	87.7	92.6	93.5	95.2	95.8	95.8	96.4	96.4	96.4	96.4	96.8	96.8	96.8
IV 300	16.5	77.3	83.2	87.7	92.6	93.5	95.2	95.8	95.8	96.4	96.4	96.4	96.4	96.8	96.8	96.8
IV 200	16.5	77.3	83.2	87.7	92.6	93.5	95.2	95.8	95.8	96.4	96.4	96.4	96.4	96.8	96.8	96.8
IV 100	16.5	77.3	83.2	87.7	92.6	93.5	95.2	95.8	95.8	96.4	96.4	96.4	96.4	96.8	96.8	96.8
IV 0	16.5	77.3	83.2	87.7	92.6	93.5	95.2	95.8	95.8	96.4	96.4	96.4	96.4	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS: 309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

LL 1030, CALIFORNIA

73-42

DEC

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS 01-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
≥ 20000	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 18000	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 16000	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 14000	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 12000	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 10000	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 9000	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 8000	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 7000	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 6000	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 5000	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 4500	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 4000	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 3500	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 3000	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 2500	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 2000	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 1800	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 1500	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 1200	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 1000	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 900	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 800	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 700	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 600	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 500	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 400	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 300	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 200	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 100	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 0	14.3	51.4	62.8	64.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3

TOTAL NUMBER OF OBSERVATIONS 2475

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION FL 7040, CALIFORNIA

73-82

YEAR

ALL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	12.1	50.3	59.4	61.7	63.3	63.8	64.4	64.6	64.6	64.8	64.9	64.9	64.9	65.0	65.0	65.0
≥ 20000	12.3	50.7	61.4	64.5	66.1	66.6	67.2	67.3	67.5	67.7	67.8	67.8	67.8	67.9	67.9	67.9
≥ 18000	12.3	50.9	62.1	64.5	66.3	66.8	67.4	67.7	67.7	67.9	68.0	68.0	68.1	68.1	68.1	68.2
≥ 16000	12.3	50.9	62.1	64.6	66.3	66.8	67.5	67.7	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.2
≥ 14000	12.3	50.9	62.5	65.0	66.8	67.3	67.9	68.2	68.2	68.4	68.5	68.5	68.5	68.6	68.6	68.7
≥ 12000	12.3	50.9	63.4	65.0	67.7	68.1	68.8	69.1	69.1	69.3	69.4	69.4	69.4	69.5	69.5	69.6
≥ 10000	12.3	61.1	64.5	67.0	68.3	69.3	70.0	70.2	70.3	70.5	70.6	70.6	70.7	70.7	70.7	70.8
≥ 9000	12.3	61.1	64.5	67.0	68.3	69.3	70.0	70.2	70.3	70.5	70.6	70.6	70.7	70.7	70.7	70.8
≥ 8000	12.3	61.1	65.2	67.6	69.6	70.2	70.8	71.1	71.1	71.4	71.4	71.4	71.4	71.5	71.5	71.6
≥ 7000	12.3	62.2	65.5	69.1	70.7	70.5	71.1	71.4	71.5	71.7	71.8	71.8	71.8	71.8	71.9	71.9
≥ 6000	12.3	62.4	65.7	68.3	70.2	70.7	71.4	71.6	71.7	71.9	72.0	72.0	72.1	72.1	72.1	72.2
≥ 5000	12.3	63.1	66.5	69.1	70.7	71.5	72.1	72.4	72.4	72.7	72.7	72.7	72.7	72.8	72.8	72.9
≥ 4500	13.1	63.3	66.7	69.3	71.2	71.7	72.4	72.6	72.7	72.9	73.0	73.0	73.1	73.1	73.1	73.2
≥ 4000	13.3	64.5	68.0	70.6	72.5	73.0	73.7	73.9	74.0	74.2	74.2	74.3	74.3	74.4	74.4	74.5
≥ 3500	13.2	65.6	69.3	71.9	73.8	74.3	75.1	75.3	75.3	75.5	75.6	75.6	75.7	75.7	75.7	75.8
≥ 3000	13.3	67.5	71.5	74.1	76.0	76.6	77.3	77.5	77.5	77.8	77.9	77.9	78.0	78.0	78.1	78.1
≥ 2500	14.1	70.3	73.9	76.6	78.6	79.1	79.8	80.1	80.2	80.4	80.5	80.5	80.5	80.6	80.6	80.6
≥ 2000	14.3	72.6	75.4	79.3	81.3	81.9	82.6	82.9	82.9	83.2	83.3	83.3	83.3	83.4	83.4	83.4
≥ 1800	14.4	73.3	77.1	80.1	82.1	82.7	83.4	83.7	83.7	84.0	84.0	84.0	84.0	84.1	84.1	84.2
≥ 1500	14.5	76.5	80.5	83.7	85.9	86.5	87.2	87.5	87.5	87.8	87.9	87.9	88.0	88.0	88.0	88.1
≥ 1200	14.5	76.0	82.5	85.7	88.2	88.9	89.6	89.8	89.8	90.1	90.1	90.1	90.1	90.2	90.2	90.3
≥ 1000	14.5	76.0	84.5	87.6	90.1	90.8	91.5	91.8	91.8	92.1	92.1	92.1	92.1	92.2	92.2	92.3
≥ 900	14.7	80.5	85.4	88.3	92.1	92.8	93.7	94.1	94.2	94.5	94.6	94.6	94.6	94.7	94.7	94.8
≥ 800	14.7	80.5	85.4	88.3	92.1	92.8	93.6	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 700	14.7	81.0	86.1	89.3	93.3	94.2	95.2	95.6	95.7	96.1	96.2	96.2	96.2	96.3	96.3	96.4
≥ 600	14.7	81.2	86.4	89.7	93.8	94.7	95.3	96.3	96.4	96.6	96.6	96.6	96.6	96.7	96.7	96.7
≥ 500	14.7	81.3	86.5	89.9	94.1	95.1	96.3	96.8	96.9	97.4	97.6	97.6	97.6	97.7	97.7	97.8
≥ 400	14.7	81.3	86.6	90.2	94.3	95.3	96.5	97.1	97.2	97.8	98.0	98.0	98.0	98.1	98.1	98.2
≥ 300	14.7	81.3	86.6	91.0	94.4	95.4	96.7	97.3	97.4	97.9	98.1	98.1	98.1	98.2	98.2	98.3
≥ 200	14.7	81.3	86.6	91.0	94.4	95.4	96.7	97.4	97.4	97.9	98.1	98.1	98.1	98.2	98.2	98.3
≥ 100	14.7	81.3	86.6	91.0	94.4	95.4	96.7	97.4	97.4	97.9	98.1	98.1	98.1	98.2	98.2	98.3
≥ 0	14.7	81.3	86.6	91.0	94.4	95.4	96.7	97.4	97.4	97.9	98.1	98.1	98.1	98.2	98.2	98.3

TOTAL NUMBER OF OBSERVATIONS

28708

DIRNAVOCEANMET SMO3

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JAN 11 1964

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	01	41.4			24.0						14.7	19.1	4.0	279
	04	41.7			20.4						17.2	21.5	4.3	279
	07	17.7			31.2						25.9	23.3	5.6	279
	10	23.3			28.0						25.1	23.7	5.5	279
	13	21.0			26.5						29.0	23.7	5.8	279
	16	21.4			30.1						25.1	24.4	5.6	279
	19	31.7			30.5						17.7	20.3	4.6	279
	22	34.4			28.1						17.7	17.9	4.9	279
TOTALS		29.1			27.4						21.2	21.9	5.0	2231

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STATION EL PASO, CALIFORNIA STATION NAME

73-12

100

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENT AGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
Dec	01	47.7			17.7						11.3	28.3	4.4	300
	02	31.3			17.7						14.3	31.3	5.1	300
	07	27.7			22.7						22.7	32.7	6.7	300
	10	20.7			21.7						29.3	32.0	5.6	300
	13	31.7			25.7						26.7	17.0	4.9	300
	16	22.3			31.4						23.4	16.1	4.7	299
	19	22.3			20.7						12.7	17.3	4.4	300
	22	43.3			15.3						14.7	23.7	4.2	300
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MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	12	27.1			4.7						3.4	55.5	4.6	310
	14	1.4			9.						14.2	57.4	7.3	310
	1	14.5			4.7						14.5	61.3	7.7	310
	1	17.3			22.1						25.2	34.8	6.4	310
	12	27.1			29.						22.6	21.3	6.2	310
	10	31.3			27.4						23.2	17.1	4.7	310
	12	27.2			32.9						17.1	24.9	5.0	310
	22	3.2			16.5						11.3	41.6	5.7	310
TOTAL					14.1						17.1	39.4	6.1	2420

NAYWEASERVCON

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 国際協力機構

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	1	33.0			12.3						7.3	47.3	5.9	310
	14	24.0			10.7						9.7	55.7	6.9	370
	27	12.7			14.7						11.3	56.7	7.1	300
	1	31.0			31.0						15.3	22.7	4.6	300
	13	7.0			35.7						15.3	11.0	3.6	300
	16	44.0			33.3						13.7	9.0	3.1	300
	18	42.3			30.7						14.3	12.7	3.5	300
	22	42.3			17.7						8.7	31.3	4.4	310
TOTALS		31.0			23.3						12.0	30.8	4.9	2400

NAVWEASERVCOM

4

9101
STATION

LOS ANGELES, CALIFORNIA

73-42

JUL
MON

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	01	14.2			17.4						10.0	32.4	5.3	310
	04	17.3			16.1						8.1	53.5	6.6	310
	07	13.5			17.4						19.4	49.7	7.2	310
	10	27.7			42.6						11.9	6.8	3.0	310
	13	49.0			40.6						7.4	2.9	2.2	310
	16	48.7			41.6						7.7	1.9	2.1	310
	19	48.2			47.3						10.6	1.9	2.4	310
	22	48.1			25.2						10.3	16.5	3.3	310

NAVWEASERVCOM

(4)

SEP
1954

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
J.P.	01	31.7			17.3						9.7	39.3	5.3	300
	04	26.7			16.7						8.7	48.0	6.1	300
	07	15.0			19.7						15.7	49.7	7.0	300
	10	25.0			30.0						23.3	21.7	5.2	300
	13	32.3			41.3						14.7	11.7	3.7	300
	16	36.3			38.0						15.3	10.3	3.6	300
	19	40.3			30.3						13.7	15.7	3.7	300
	22	44.0			20.7						9.3	26.0	4.1	300
TOTALS		31.7			26.8						13.8	27.8	4.8	2400

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SKY COVER

STATION EL TERO, CALIFORNIA

73-42

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	01	35.0			17.5						11.7	35.0	5.1	300
	04	30.0			17.5						10.1	41.0	5.0	300
	07	24.7			17.2						20.1	38.0	6.1	308
	10	20.9			33.8						21.4	14.9	4.4	308
	13	20.6			39.9						20.8	10.7	4.1	308
	16	34.1			39.9						16.6	9.4	3.6	308
	19	45.8			26.3						14.0	14.0	3.4	308
	22	40.9			25.6						11.4	22.1	4.0	308
TOTALS		33.3			27.2						15.0	23.3	4.5	2464

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SKY COVER

STATION 23101 EL TORO, CALIFORNIA

73-62

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	01	45.0			29.7						12.0	10.3	3.7	300
	04	45.3			22.7						12.7	19.3	3.8	300
	07	32.0			27.7						20.7	19.7	4.7	300
	10	24.3			31.3						25.7	13.7	4.6	300
	13	26.0			35.7						31.3	7.0	4.6	300
	16	23.0			40.3						24.3	12.3	4.6	300
	19	34.3			34.3						22.3	7.0	3.7	300
	22	33.3			29.3						15.3	17.0	4.0	300
TOTALS		34.4			30.8						20.3	14.3	4.2	2400

NAVWEASERVCOM

SKY COVER

STATION

EL TORO, CALIFORNIA

STATION NAME

73-A2

PERIOD

DEC

1997

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DIC	01	41.7			27.1						11.9	19.0	3.8	310
	04	44.2			24.8						11.6	19.4	3.7	310
	07	28.4			30.6						19.0	21.9	4.8	310
	10	27.1			29.4						23.9	19.7	5.0	310
	13	30.6			31.0						20.6	17.7	4.6	310
	16	25.9			33.7						23.0	17.5	4.8	309
	19	34.7			33.3						13.9	16.8	4.1	309
	22	32.8			26.5						14.9	16.8	4.0	309

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SKY COVER

STATION EL TORO, CALIFORNIA

73-82

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	29.0			27.4						21.8	21.8	5.0	2231
FEB		27.8			25.2						21.8	25.2	5.3	2024
MAR		28.5			22.8						24.1	24.7	5.3	2479
APR		33.0			22.9						20.4	23.7	4.9	2399
MAY		24.0			19.6						17.1	39.4	6.1	2480
JUN		34.0			23.3						12.0	30.8	4.9	2400
JUL		37.2			30.7						10.7	21.5	4.3	2440
AUG		34.4			29.5						11.6	24.5	4.4	2480
SEP		31.7			26.8						13.8	27.8	4.8	2400
OCT		33.4			27.2						15.8	23.3	4.5	2454
NOV		34.4			30.8						20.5	14.3	4.2	2400
DEC		34.0			29.6						17.4	19.1	4.4	2477
TOTALS		31.4			26.3						17.3	24.7	4.8	28714

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NOCD, Federal Building
Asheville, N. C.

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
 - a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.
6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

STATION 1101 EL PASO, CALIFORNIA

NO-82

YEAR

MAXIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
11													
12													
13													
14													
15													
16													
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100													
MEAN	7.445	7.679	7.913	7.818	8.271	8.425	8.246	8.460	7.557	7.914	8.024	7.349	8.649
S.D.	11.0	9.7	11.30	11.79	11.52	11.34	11.50	11.47	11.31	11.51	11.31	11.51	11.529
TOTAL OBS.													

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131643

DAILY TEMPERATURES

STATION 1 EL TORO, CALIFORNIA

45-87

STATION

STATION NAME

YEARS

INCHES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
2													
3													
4													
5													
6													
7													
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99													
100													
MEAN	44.5	44.4	40.5	47.1	52.7	57.7	68.4	81.5	89.7	89.2	89.8	85.9	52.5
S.D.	5.75	5.270	4.877	4.778	4.163	4.027	3.870	4.041	4.943	5.091	5.371	5.703	7.720
TOTAL OBS.	110	97	117	112	115	113	115	115	113	115	115	115	1357

NAYWEASERVCOM

DAILY TEMPERATURES

STATION 1 EL PASO, CALIFORNIA

45-01

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
50						.1			.2				.1
51						.5	.9	.3	2.0	.9	.1		.4
52					.5	1.7	3.1	4.5	7.7	2.7	.4		1.7
53	.1	.1	.2	1.2	1.4	5.2	19.9	24.0	21.6	8.4	1.2	.3	7.3
54	1.1	1.7	1.0	5.0	6.2	32.8	68.9	74.8	54.3	23.0	7.0	2.3	27.9
55	6.9	7.3	6.6	16.2	29.7	70.4	99.5	99.2	92.2	58.6	22.5	8.1	81.7
56	17.1	22.8	26.6	48.3	76.7	97.6	100.0	100.0	100.0	93.6	54.2	25.6	64.3
57	47.4	60.4	66.7	84.2	98.4	100.0				99.2	87.1	59.5	94.3
58	81.3	90.3	94.5	99.8	100.0					100.0	99.0	85.5	96.2
59	97.6	99.2	99.7	100.0							100.0	99.3	99.7
60	99.6	100.0	100.0									100.0	100.0
61	100.0												100.0
62													
63													
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100													
MEAN	54.7	56.1	56.7	58.7	62.6	66.8	71.6	72.3	70.9	66.3	50.7	56.2	62.9
S.D.	6.603	5.359	4.874	5.244	5.429	4.525	3.834	3.890	5.352	5.532	5.621	5.647	8.049
TOTAL OBS.	1150	956	1130	1129	1152	1134	1158	1157	1131	1158	1130	1151	13026

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NAVAL WEATHER SERVICE DEPARTMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

CL TORO, CALIFORNIA

1946-1979 1981-1982

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	°F	°C	AVERAGE	EXTREME	°F	°C		AVERAGE	EXTREME	°F	°C	
1	42.9	11.6	62.9	17.2	81	27.2	1984	42.9	6.1	34	1.1	1972
2	42.9	11.6	61.9	16.6	74	23.3	1969	43.1	6.2	34	1.1	1974
3	42.9	11.5	63.1	17.3	87	31.1	1969	42.8	5.8	31	-0.6	1972*
4	42.1	11.7	63.0	17.2	84	28.9	1969	43.2	6.2	28	-0.2	1950
5	42.1	12.3	64.6	18.1	84	28.9	1969	43.5	6.4	32	0.0	1982*
6	50	12.8	64.9	18.3	77	25.6	1969	45.1	7.3	30	-1.0	1980
7	44.6	12.6	64.7	18.3	84	28.9	1982	44.5	6.9	29	-1.7	1980
8	44.0	12.2	63.8	17.7	74	23.3	1962*	44.2	6.8	34	1.1	1949
9	44.5	12.5	65.0	18.3	77	25.6	1981	44.1	6.7	33	0.6	1982
10	44.9	12.2	63.5	17.5	81	27.2	1961*	44.2	6.8	29	-1.7	1949
11	44.9	12.2	64.1	17.8	77	26.1	1988	43.7	6.8	28	-3.9	1949
12	44.9	12.1	62.8	17.1	75	23.3	1975	44.8	7.1	30	-1.1	1949
13	44.9	12.7	65.2	18.4	84	28.9	1975	44.5	6.9	33	0.6	1980
14	44.9	13.2	66.1	18.9	87	30.6	1975	45.3	7.4	33	0.6	1983
15	44.9	13.2	66.2	19.0	97	32.8	1976	45.1	7.3	32	0.0	1949
16	44.4	13.6	66.9	19.4	93	33.7	1961	45.9	7.7	36	2.2	1983*
17	44.4	13.6	67.1	19.5	82	31.1	1961	45.7	7.6	34	1.1	1975
18	44.9	13.5	65.4	18.6	87	31.1	1971	46.4	8.0	34	1.1	1949
19	44.9	12.9	64.6	18.1	84	31.1	1971	45.3	7.7	36	2.2	1949
20	44.9	12.4	65.3	17.9	87	30.4	1976	45.4	7.4	33	0.6	1975
21	44.9	12.2	63.0	17.2	51	27.2	1976	45.1	7.3	35	2.2	1962*
22	44.9	12.7	64.5	18.1	51	26.7	1963	45.2	7.3	35	1.7	1982
23	44.9	12.7	65.1	18.4	85	30.6	1983	44.7	7.1	34	1.1	1947
24	44.9	12.7	65.1	18.4	84	28.9	1951	45.5	7.3	35	-1.1	1949
25	44.9	12.7	64.1	17.9	84	28.9	1951	45.6	7.6	32	0.0	1980
26	44.1	11.7	62.9	17.2	87	27.2	1971	43.3	6.3	32	0.0	1950
27	44.1	12.3	64.5	18.1	87	30.6	1971	43.7	6.5	31	-0.6	1950
28	44.7	12.6	65.5	18.6	86	31.1	1976	44.0	6.7	33	0.6	1975*
29	44.5	12.6	64.8	18.2	84	28.9	1971	44.4	6.9	33	0.6	1979*
30	44.7	12.1	63.6	17.6	81	27.2	1971	43.7	6.3	35	-1.1	1949
31	44.9	12.3	65.0	18.3	87	30.6	1954	43.3	6.3	34	1.1	1949
Monthly	44.4	12.4	64.4	18.0	97	33.7	1961	44.5	6.9	25	-3.9	1949

*ALSO ON EARLIER YEARS

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION EL TORO, CALIFORNIA STATION NAME 1966-1979 1981-1982 YEARS FEBRUARY MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	54.4	12.4	64.5	18.1	82	27.2	1976	44.3	6.8	32	.0	1975
2	55.1	12.8	66.3	19.1	82	27.2	1954	43.9	6.6	30	2.2	1974
3	55.4	13.0	67.2	19.2	83	31.1	1953	44.0	7.2	34	1.1	1951
4	55.6	13.1	67.1	19.5	82	28.2	1953	45.6	7.6	35	2.2	1948
5	55.6	13.1	65.6	18.7	81	29.4	1963	45.5	7.3	37	2.0	1946
6	55.1	13.4	66.1	18.9	81	31.1	1953	46.2	7.9	38	3.3	1949
7	55.1	13.4	66.1	18.9	82	31.1	1954	46.1	7.8	35	1.7	1948
8	55.1	13.2	65.0	18.8	81	31.7	1970	45.7	7.6	35	1.7	1949
9	55.7	13.2	65.7	18.3	86	30.7	1971	44.4	8.0	33	.6	1949
10	55.6	13.1	65.4	18.6	84	30.7	1971	45.9	7.7	33	1.7	1949
11	55.7	13.3	65.6	18.7	81	29.4	1971	46.2	7.9	35	1.7	1948
12	55.7	13.2	66.3	19.1	94	34.4	1971	45.1	7.3	33	.6	1946
13	55.1	13.4	66.5	19.2	80	31.1	1971	45.7	7.6	30	-1.1	1948
14	55.4	13.0	66.2	19.0	81	31.7	1977	44.5	6.9	31	1.7	1974
15	55.0	13.1	65.9	18.8	87	30.6	1977	45.1	7.2	33	.6	1948
16	55.1	13.2	66.1	18.9	85	29.4	1981*	45.4	7.4	31	2.2	1975
17	55.1	13.3	66.6	19.2	81	27.2	1981*	45.4	7.4	32	.0	1975
18	55.1	13.0	65.9	18.8	84	29.2	1981*	44.9	7.2	34	1.1	1975
19	55.1	13.6	64.7	18.7	87	29.4	1965	45.4	7.4	37	2.6	1975
20	55.1	13.2	66.9	19.4	83	29.2	1982	44.5	6.9	32	.0	1974
21	55.1	13.4	67.3	19.5	87	28.7	1982	45.0	7.2	34	1.1	1953
22	55.7	13.5	67.5	19.7	81	27.2	1981	45.1	7.3	34	1.1	1962
23	55.7	13.6	67.2	19.5	93	30.6	1954	45.8	7.7	36	2.2	1974
24	55.1	13.6	66.7	19.3	87	27.4	1964*	46.9	8.3	37	2.8	1953
25	55.7	13.7	67.4	19.7	89	26.2	1971	45.9	7.7	33	.6	1962
26	55.0	13.8	65.0	18.3	77	25.6	1971	45.1	7.3	34	2.2	1962
27	55.5	13.1	66.3	19.1	87	29.4	1967	44.6	7.0	30	-1.1	1962
28	55.5	13.1	65.5	18.7	87	30.6	1967	45.4	7.4	32	.0	1962
29	55.1	12.8	64.6	18.1	77	25.6	1968	45.5	7.5	36	2.2	1948
30												
31												
Monthly	55.1	13.2	66.2	19.0	94	34.4	1971	45.4	7.4	30	-1.1	1962*

*ALSO ON EARLIER YEARS

DIRHA VOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION EL TORO, CALIFORNIA STATION NAME 1945-1982 YEARS MARCH MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	55.7	12.7	64.4	18.7	81	30.7	46.2	7.9	32	.0	1962
2	54.2	12.2	63.3	17.4	76	24.4	44.6	7.0	34	1.1	1963*
3	53.6	12.0	63.7	17.7	79	26.1	43.4	6.3	32	.0	1964
4	48.6	12.0	65.2	18.4	87	30.4	44.1	6.7	33	.6	1961
5	55.3	12.7	65.7	18.7	81	27.9	44.9	7.2	35	1.7	1974**
6	55.8	13.2	66.7	19.0	80	30.1	45.4	7.4	37	2.8	1948
7	55.4	13.0	66.9	19.4	83	28.3	45.8	7.7	37	2.8	1962*
8	57.1	13.4	66.2	19.0	81	27.2	46.0	7.8	35	1.7	1964
9	55.4	13.0	65.4	18.6	81	27.2	45.5	7.5	35	1.7	1974
10	54.0	12.7	64.5	18.1	81	27.2	45.3	7.4	35	1.7	1949
11	56.1	12.8	64.9	18.3	81	29.4	45.3	7.4	35	1.7	1949
12	56.3	13.5	66.1	18.9	85	29.4	46.4	8.0	36	2.2	1975
13	55.7	13.2	65.5	18.6	82	27.8	45.9	7.7	34	1.1	1944
14	54.6	13.7	67.5	19.7	87	30.6	45.7	7.6	35	2.2	1950
15	56.7	13.7	67.6	19.8	81	29.4	45.8	7.7	35	2.2	1946
16	57.5	14.2	67.9	19.2	87	30.6	47.1	8.4	39	3.4	1963*
17	56.3	13.8	67.4	19.7	91	32.1	46.2	7.9	37	2.8	1952
18	54.4	13.0	66.7	19.1	84	28.2	46.1	7.8	36	2.2	1948
19	57.6	14.2	67.6	19.8	85	29.4	47.5	8.6	39	3.9	1963
20	57.6	14.2	67.9	19.9	87	26.2	47.2	8.4	35	1.7	1963
21	56.1	13.8	67.5	19.7	82	27.8	46.3	7.9	37	2.9	1944
22	57.1	13.9	66.9	19.4	84	28.4	47.2	8.4	37	3.9	1946*
23	56.5	13.6	66.2	19.0	84	28.2	46.9	8.3	34	1.1	1948
24	56.6	13.7	67.1	19.5	81	27.2	46.2	7.9	37	2.8	1945
25	57.4	14.1	68.1	20.1	81	29.4	46.7	8.2	36	2.2	1949
26	57.7	14.3	67.9	19.9	83	28.3	47.4	8.6	38	3.7	1946
27	57.6	14.2	68.2	20.1	84	28.9	47.6	8.3	38	3.3	1975
28	57.8	14.3	68.1	20.1	81	30.1	47.5	8.6	35	1.7	1951
29	57.2	14.4	68.4	20.2	87	30.6	47.4	8.6	38	3.3	1973
30	57.5	14.2	67.3	19.6	81	27.2	47.6	8.7	36	2.2	1967
31	57.0	14.4	68.3	20.2	81	31.1	47.8	8.8	36	3.3	1949
Monthly	56.4	13.6	66.6	19.2	91	32.2	46.2	7.9	32	.0	1966*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION PLTORG, CALIFORNIA STATION NAME 1945-1942 YEARS APRIL MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	57.7	14.3	60.1	20.1	81	31.7	1959	47.3	8.5	34	3.9	1951
2	57.7	14.2	67.5	19.7	87	31.7	1967	47.5	8.6	37	2.8	1973
3	57.7	14.6	69.2	20.7	90	33.7	1971	47.3	8.5	34	2.2	1949
4	58.2	15.8	71.0	21.7	91	32.0	1971	47.1	8.4	31	3.3	1947
5	58.2	15.4	71.4	21.4	94	34.0	1951	48.2	9.0	33	.6	1953
6	58.9	14.9	69.0	20.6	99	37.7	1962	48.8	9.3	41	5.0	1975*
7	58.1	14.5	68.5	20.3	95	35.7	1962	47.8	8.8	36	2.2	1975
8	58.7	14.8	69.4	20.8	87	31.7	1962	47.9	8.8	40	4.4	1953
9	58.8	14.9	69.2	20.7	87	30.0	1963	43.4	6.1	40	4.4	1953
10	57.2	15.1	69.9	21.1	97	33.7	1963	48.4	9.1	37	2.6	1945
11	57.9	15.5	70.8	21.6	84	31.1	1947	48.9	9.4	39	3.9	1945
12	58.0	15.0	71.0	21.7	97	32.0	1947	48.9	9.4	36	3.3	1953
13	58.4	15.7	71.4	21.0	97	34.4	1947	49.7	9.4	40	4.4	1953*
14	58.4	15.8	71.2	21.7	97	36.1	1964	49.5	9.8	41	5.0	1976
15	58.2	15.2	72.9	22.7	101	38.3	1966	49.6	9.9	42	5.6	1976*
16	58.1	15.6	70.8	21.6	97	33.7	1948	49.4	9.7	41	5.0	1967
17	58.6	15.3	69.7	20.9	87	31.1	1969	49.5	9.7	40	4.4	1976
18	58.4	14.7	67.4	19.7	84	28.0	1957	49.5	9.7	40	4.4	1968
19	59.4	15.2	69.2	20.7	87	30.6	1965	49.5	9.7	41	5.0	1955
20	59.3	15.4	70.4	21.3	97	33.7	1969	49.2	9.6	41	5.0	1974
21	59.0	15.3	59.4	20.8	83	31.1	1958	49.7	9.8	41	5.0	1957
22	58.7	15.4	70.1	21.2	97	32.0	1962	49.4	9.7	39	3.9	1963
23	58.5	15.0	70.0	21.0	97	32.0	1966	50.2	10.1	42	5.6	1967
24	58.5	15.3	69.2	20.7	84	30.0	1966	49.9	9.9	42	5.6	1974*
25	59.0	15.1	69.2	20.7	83	31.1	1965	49.2	9.6	38	3.3	1974
26	59.7	15.4	69.4	20.8	87	28.4	1969	49.9	9.9	41	5.0	1975
27	60.1	15.6	70.0	21.1	89	31.7	1969	50.0	10.1	42	5.6	1974
28	60.2	15.7	70.0	21.1	97	33.3	1965	50.5	10.3	40	4.4	1970
29	60.4	15.8	69.8	21.0	95	35.0	1981	51.0	10.6	41	5.0	1975
30	60.1	15.6	59.8	21.0	83	28.0	1976*	50.5	10.3	40	4.4	1951
31												
Monthly	59.5	15.3	69.9	21.1	101	38.7	1966	49.1	9.5	33	.6	1953

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION LA JOLLA, CALIFORNIA STATION NAME 1945-1962 YEARS MAY MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	61.4	16.3	71.3	21.8	87	30.6	1947	51.4	10.8	44	6.7	1967*
2	61.1	16.6	72.6	22.6	93	33.7	1947	51.0	10.6	39	3.9	1950
3	61.7	16.5	71.6	22.0	97	36.1	1970	51.8	11.0	42	5.6	1973
4	60.7	15.9	70.4	21.3	87	31.7	1953	51.1	10.6	39	3.9	1950
5	60.7	15.9	70.2	21.2	91	33.3	1953	51.1	10.6	40	5.6	1975
6	60.7	15.9	70.6	21.4	9	32.2	1949	50.6	10.4	43	6.1	1976
7	61.2	16.2	71.1	21.7	87	30.6	1960	51.3	10.7	44	6.7	1964*
8	61.4	16.3	71.4	21.9	87	31.7	1961	51.3	10.7	40	4.4	1950
9	61.5	16.4	72.0	22.2	87	31.7	1981	50.9	10.5	47	4.4	1950
10	62.0	16.7	72.2	22.3	91	32.7	1981	51.6	11.0	43	6.1	1948
11	62.1	16.7	72.2	22.3	87	29.8	1979*	52.1	11.2	45	7.2	1964
12	61.9	16.6	71.8	22.1	95	35.0	1979	52.1	11.2	43	6.1	1970
13	62.2	17.2	73.4	23.0	93	36.7	1979	52.5	11.4	45	7.2	1962*
14	62.3	16.8	71.8	22.1	93	33.0	1967	52.5	11.6	44	6.7	1968
15	62.9	17.2	72.6	22.6	101	38.3	1967	53.1	11.7	44	6.7	1958
16	62.7	17.2	72.9	22.7	101	39.1	1967	52.9	11.6	45	7.2	1964*
17	63.4	17.4	74.1	23.4	92	33.7	1970	52.7	11.5	43	6.1	1962
18	62.0	17.1	74.2	23.4	92	33.3	1955	53.7	11.9	45	7.2	1974
19	62.0	17.0	71.9	22.2	87	30.6	1971	53.4	11.9	45	7.2	1974
20	62.8	17.1	72.3	22.4	83	28.7	1960	53.2	11.9	39	3.9	1948
21	62.5	16.9	71.9	22.2	87	27.4	1967	53.1	11.7	41	5.0	1948
22	62.4	16.9	72.1	22.3	83	31.1	1967	52.7	11.5	45	7.2	1972*
23	62.1	16.7	71.2	21.8	81	31.1	1949	53.0	11.7	40	7.8	1965
24	62.0	17.1	72.2	22.3	97	36.1	1952	53.5	11.9	46	7.8	1980*
25	62.7	17.1	72.2	22.3	97	32.2	1974	53.2	11.8	45	7.2	1953
26	63.0	17.2	72.3	22.4	91	32.2	1968	53.8	12.1	46	7.8	1972*
27	63.4	17.4	72.4	22.4	91	32.1	1968	54.4	12.4	48	8.9	1964*
28	63.8	17.7	73.4	23.0	92	36.7	1972	54.3	12.4	48	8.9	1964*
29	63.6	17.7	73.0	22.8	97	36.1	1978	54.6	12.6	44	6.7	1953
30	63.3	17.4	71.7	22.2	87	30.6	1972	54.7	12.6	45	7.2	1953
31	63.4	17.4	71.4	21.9	84	25.9	1946	55.4	13.0	49	9.4	1967*
Monthly	62.4	16.9	72.1	22.3	101	38.7	1967	52.7	11.5	39	3.9	1950*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION EL TORO, CALIFORNIA
STATION NAME

1945-1982
YEARS

JUNE
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	63.7	17.7	72.9	22.7	87	31.1	1973	54.9	12.7	44	8.9	1953
2	64.1	17.8	73.5	23.1	87	31.7	1973	54.7	12.6	45	7.2	1953
3	64.7	18.2	74.2	23.4	87	30.6	1957	55.4	13.0	47	8.3	1953
4	65.1	18.3	74.7	23.7	97	32.2	1957	55.3	12.9	48	8.9	1967
5	65.4	18.6	74.5	23.6	89	31.1	1972	56.3	13.5	49	9.4	1948
6	64.7	18.3	74.0	23.3	87	31.1	1973	55.8	13.2	44	6.7	1940
7	64.7	18.2	73.7	23.2	97	33.7	1973	55.8	13.2	48	8.9	1953
8	64.3	17.9	72.8	22.7	87	28.9	1981*	55.0	13.2	45	7.2	1950
9	64.5	18.1	73.6	23.1	97	36.7	1979	55.3	12.9	47	8.3	1950
10	64.7	18.3	74.1	23.4	101	36.7	1979	55.7	13.2	47	8.2	1964
11	66.1	18.9	76.1	24.5	101	38.3	1979	56.1	13.4	47	8.3	1953
12	66.2	19.0	76.2	24.6	101	38.7	1979	56.2	13.4	46	7.8	1950
13	66.7	19.2	76.2	24.6	97	35.7	1979	56.8	13.8	48	8.9	1952
14	66.7	19.4	77.3	25.2	97	33.3	1981	56.5	13.6	51	10.6	1952
15	67.1	19.5	77.2	25.1	107	41.1	1981	57.1	13.9	48	9.4	1950*
16	67.0	19.2	76.2	24.6	103	39.4	1981	56.9	13.8	49	9.4	1950
17	67.1	19.5	77.1	25.1	97	37.7	1981*	57.2	14.0	49	9.4	1974*
18	67.2	19.6	77.5	25.3	103	39.4	1957	57.0	13.9	47	9.4	1974
19	67.5	19.7	78.3	25.7	97	35.0	1973	56.7	13.7	43	8.9	1974
20	67.7	19.9	78.6	25.9	107	41.7	1973	57.2	14.0	50	10.0	1974*
21	67.1	20.1	78.5	25.8	103	37.8	1973	57.6	14.2	50	10.0	1974
22	68.1	20.1	78.1	25.6	97	36.1	1949	58.2	14.6	52	11.1	1974*
23	68.9	20.5	78.9	26.1	94	34.4	1976	58.8	14.8	51	10.6	1974
24	68.0	20.3	78.2	25.7	97	36.7	1976	58.8	14.9	52	11.1	1962
25	68.7	20.2	78.8	26.0	103	39.4	1970	57.8	14.3	48	8.9	1950
26	68.3	20.2	79.0	26.1	101	38.3	1976	57.7	14.3	49	9.4	1951
27	68.7	20.4	79.2	26.2	103	39.4	1976	58.2	14.6	48	8.9	1950
28	68.6	20.3	79.4	26.3	97	35.6	1980	57.7	14.3	51	10.6	1954*
29	65.4	20.2	80.0	26.7	97	32.2	1980	56.9	13.8	45	7.2	1951
30	69.0	20.6	80.7	27.1	97	33.3	1970	57.2	14.0	48	8.9	1947
31												
Monthly	66.7	19.3	75.6	24.8	107	41.7	1973	56.7	13.7	44	6.7	1948

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION LA JOLLA, CALIFORNIA YEARS 1945-1982 MONTH JULY

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	°F	°C	AVERAGE	°C	EXTREME	°C		AVERAGE	°C	EXTREME	°C	
1	69.1	20.6	80.1	26.7	91	32.7	1970	58.1	14.5	51	10.4	1962*
2	69.4	20.8	80.4	26.9	100	42.2	1970	58.4	14.7	50	10.0	1962
3	69.6	20.9	80.6	27.1	102	36.9	1981	58.5	14.7	51	10.6	1965
4	69.9	21.1	81.1	27.3	105	40.6	1970	58.7	14.8	51	10.6	1963
5	69.5	20.6	80.3	26.8	101	38.3	1970	58.6	14.8	48	8.9	1948
6	69.6	20.9	81.1	27.3	97	36.1	1970	58.2	14.6	49	9.4	1948
7	70.4	21.3	82.2	27.9	94	34.4	1954	58.6	14.9	48	8.9	1948
8	70.9	21.6	82.8	28.2	95	35.6	1961	59.0	15.0	51	10.6	1964
9	71.3	21.8	83.0	28.3	94	34.9	1968	59.6	15.3	52	11.1	1952*
10	71.9	22.2	83.5	28.6	100	37.9	1959	60.2	15.7	52	11.1	1952*
11	71.7	22.1	83.1	28.4	100	37.8	1971	60.4	15.8	55	12.8	1974*
12	70.8	21.6	81.9	27.7	93	33.7	1953	59.7	15.4	52	11.1	1952
13	70.5	21.4	81.1	27.3	94	34.4	1953	60.0	15.6	51	10.6	1952
14	70.7	21.5	81.3	27.4	95	35.0	1978	60.2	15.7	51	10.6	1963
15	71.3	21.8	81.6	27.6	97	36.1	1978	60.9	16.1	55	12.8	1963*
16	71.4	21.9	82.2	27.9	91	32.7	1980*	60.5	15.8	55	12.8	1970*
17	71.7	22.1	82.7	28.2	91	32.0	1979	60.6	15.9	55	12.8	1973*
18	71.4	21.9	81.8	27.7	97	32.2	1974*	60.9	16.1	50	10.6	1963
19	71.7	22.1	82.2	27.9	94	34.4	1951	61.2	16.2	55	12.8	1947
20	71.9	22.1	82.5	28.1	103	39.4	1960	61.2	16.2	55	12.8	1965*
21	71.7	22.1	82.3	27.9	94	34.4	1960	61.1	16.2	52	11.1	1965
22	71.4	21.9	82.2	27.9	92	33.7	1960	60.7	15.9	55	12.8	1965*
23	71.7	22.2	82.2	27.9	91	32.7	1982*	61.5	16.4	54	12.2	1973
24	71.9	22.2	82.3	27.9	91	32.7	1974	61.5	16.4	53	11.7	1948
25	72.3	22.4	83.0	28.3	91	32.7	1972*	61.6	16.4	52	11.1	1948
26	72.9	22.7	83.7	28.7	94	36.7	1977	62.1	16.7	56	13.3	1970*
27	73.1	22.6	84.3	29.1	103	39.4	1972	61.8	16.6	52	11.1	1965
28	72.7	22.6	83.3	28.5	95	35.7	1972	62.0	16.7	54	12.2	1965
29	73.2	22.9	83.7	28.7	99	36.7	1972	62.6	17.0	57	13.9	1963*
30	73.4	23.0	84.3	29.1	101	38.3	1972	62.6	17.0	52	11.1	1948
31	73.4	23.0	84.3	29.1	97	36.7	1972	62.6	17.0	56	13.3	1970*
Monthly	71.4	21.9	82.3	27.9	103	42.2	1970	60.4	15.8	48	8.9	1948

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION AL TRO, CALIFORNIA STATION NAME 1945-1982 YEARS AUGUST MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	72.7	22.7	83.3	28.6	97	35.6	1972	61.4	16.6	52	11.1	1945
2	72.7	22.7	83.3	28.6	97	35.6	1966	62.5	16.7	56	13.3	1945
3	71.4	22.2	81.8	27.7	97	32.2	1971*	62.0	16.7	55	12.8	1953
4	71.3	22.1	82.1	27.8	92	33.7	1971*	61.5	16.4	51	10.6	1953
5	72.4	22.4	81.1	28.4	94	34.4	1961	61.7	16.5	53	11.7	1951
6	73.4	23.0	84.5	29.2	97	36.1	1982	62.3	16.3	51	10.8	1950
7	72.0	22.7	84.7	29.3	97	36.1	1970	61.2	16.2	52	10.0	1951*
8	73.7	23.1	85.1	29.5	100	37.2	1970	62.0	16.7	52	11.1	1944
9	72.9	22.7	84.1	28.9	97	36.7	1965	61.7	16.5	52	11.1	1949*
10	72.8	22.7	83.1	28.4	97	36.1	1965	62.5	16.9	52	11.1	1949*
11	72.3	22.4	82.2	27.9	94	34.4	1965	62.3	16.3	47	8.3	1950
12	71.7	22.1	81.9	27.4	93	33.4	1965	62.0	16.7	49	9.4	1949*
13	72.2	22.2	82.2	27.8	94	35.6	1965	61.9	16.6	54	12.2	1950
14	72.1	22.3	82.4	28.0	94	35.6	1965	61.7	16.5	52	11.1	1945
15	71.6	22.2	82.6	28.7	94	35.6	1958	61.0	16.1	47	8.3	1950
16	71.2	22.2	82.5	28.1	94	34.4	1962	61.4	16.3	52	11.1	1949
17	71.6	22.0	82.1	27.8	94	34.4	1945	61.1	16.2	52	11.1	1949*
18	71.4	22.0	82.7	27.6	95	35.6	1967*	61.4	16.3	53	11.7	1948
19	72.2	22.2	82.0	27.8	94	35.6	1973	62.1	16.7	52	11.1	1948
20	71.7	22.1	82.1	27.9	97	33.7	1981*	61.4	16.3	53	11.7	1947
21	71.4	21.9	82.2	27.9	93	35.7	1969	59.5	15.6	44	12.2	1974
22	71.4	21.9	82.4	28.0	101	33.7	1969	60.4	15.8	53	11.7	1961*
23	71.1	22.3	83.7	28.7	107	39.4	1963	60.4	15.8	52	11.1	1973
24	71.6	21.9	83.3	28.5	97	36.1	1968	59.7	15.4	50	10.0	1948
25	72.2	22.2	83.6	28.8	97	36.7	1981	60.3	15.7	54	12.2	1975*
26	71.5	21.9	82.1	27.8	97	37.2	1981	61.0	16.1	55	12.8	1954
27	71.8	22.1	82.5	28.1	97	36.7	1981	61.1	16.2	51	10.6	1975
28	71.5	21.9	82.2	27.9	97	35.6	1981	60.9	16.1	52	11.1	1975
29	71.2	21.6	82.5	28.1	94	36.7	1972	59.8	15.4	53	11.7	1947
30	71.2	21.8	82.4	28.0	102	38.9	1967	60.1	15.6	53	11.7	1975*
31	71.9	21.6	82.2	27.7	101	38.1	1955	59.5	15.3	51	10.8	1970
Monthly	72.7	22.2	82.8	28.2	103	39.4	1964	61.3	16.3	47	8.3	1950

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION LA JOLLA, CALIFORNIA
STATION NAME

1945-1982
YEARS

SEPTEMBER
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	70.0	22.2	83.1	28.4	104	41.1	1955		61.0	16.1	52	10.0	1977	
2	72.1	22.3	83.2	28.4	105	40.6	1955		61.1	16.2	52	11.1	1946	
3	72.8	22.7	84.1	28.9	94	36.7	1955		61.5	16.4	57	13.9	1973*	
4	72.2	22.3	83.5	28.6	100	37.9	1961		60.9	16.1	54	12.2	1965*	
5	71.8	22.1	82.6	28.2	97	36.1	1955		60.8	16.0	54	12.2	1962*	
6	72.8	22.2	83.2	28.4	99	37.2	1955		60.7	15.9	51	10.6	1973	
7	72.2	22.3	83.7	28.7	100	37.6	1949		60.8	16.0	52	11.1	1964	
8	72.0	22.2	83.5	28.6	99	37.2	1963		60.5	15.8	52	11.1	1965*	
9	71.8	22.1	83.6	28.7	102	38.9	1956		60.1	15.6	50	10.0	1950	
10	71.4	21.9	82.8	28.2	100	37.9	1963		60.0	15.6	50	10.0	1950*	
11	71.5	21.9	82.8	28.2	104	41.1	1963		60.2	15.7	50	10.0	1952	
12	70.8	21.6	81.4	27.4	104	40.8	1971		60.2	15.7	50	10.0	1961	
13	70.7	21.5	81.6	27.6	107	42.2	1971		59.8	15.4	50	10.0	1966	
14	70.0	21.1	80.5	26.9	99	37.2	1971		59.5	15.3	50	10.0	1970	
15	69.4	20.8	79.9	26.6	102	38.9	1979		58.8	14.9	47	9.4	1970	
16	69.8	21.0	79.6	26.4	93	36.7	1979		59.9	15.5	52	11.1	1972	
17	69.6	20.9	79.3	26.0	97	35.9	1979		60.4	15.8	52	11.1	1973*	
18	69.6	20.9	79.1	26.7	95	35.1	1981		59.1	15.1	49	9.4	1971	
19	69.8	20.6	79.5	26.4	93	36.7	1979		58.5	14.7	46	8.9	1950	
20	69.9	20.5	79.7	26.5	93	32.2	1979		58.1	14.5	45	7.2	1954	
21	69.4	20.8	79.8	26.6	93	32.2	1978		59.1	15.1	44	8.9	1954	
22	70.2	21.2	82.2	27.5	95	35.2	1975		58.2	14.6	52	11.1	1955*	
23	70.9	21.6	82.9	28.3	103	39.4	1975		58.9	14.9	50	10.0	1961	
24	71.0	21.7	82.1	27.8	103	39.4	1978		59.9	15.5	50	10.0	1973*	
25	70.2	21.2	81.4	27.4	105	40.6	1963		59.1	15.1	50	10.0	1948	
26	70.5	21.4	81.5	27.5	116	46.7	1963		59.6	15.3	44	6.7	1948	
27	69.9	21.1	80.6	27.2	117	45.2	1963		59.3	15.2	47	8.3	1949	
28	69.8	21.0	80.5	26.9	110	43.3	1963		59.1	15.1	30	10.0	1974*	
29	69.4	20.9	80.1	26.7	106	41.1	1963		58.8	14.9	48	8.9	1948	
30	69.6	20.5	79.1	26.2	97	33.2	1965		58.2	14.6	48	8.9	1948	
31														
Monthly	70.6	21.4	82.6	27.6	111	46.7	1963		59.7	15.4	44	6.7	1948	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION EL TORO, CALIFORNIA
STATION NAME

1945-1952
YEARS

OCTOBER
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	67.4	20.2	78.8	26.0	94	35.4	1965	58.0	14.4	43	8.9	1955
2	67.4	19.9	78.5	25.9	93	35.7	1965	57.4	14.1	43	6.1	1950
3	67.4	20.2	79.9	26.6	100	37.8	1958	56.9	13.8	49	9.4	1946
4	67.4	20.1	79.2	26.2	99	37.7	1953	57.1	13.9	49	8.9	1973*
5	67.7	20.4	79.6	26.6	100	39.4	1971	57.6	14.2	50	10.0	1971*
6	67.8	20.4	79.4	26.3	100	40.7	1971	57.2	14.0	47	8.3	1946
7	67.4	20.2	79.5	26.4	99	36.7	1971	57.4	14.1	46	7.8	1948
8	67.2	19.6	78.3	25.7	99	35.6	1976	56.1	13.4	47	8.3	1954
9	66.7	19.3	77.5	25.3	96	35.6	1976	55.8	13.2	45	7.2	1961
10	65.7	18.8	76.4	24.7	99	37.2	1971	55.4	13.0	45	7.2	1949
11	65.7	18.8	77.0	25.0	99	36.7	1971	54.5	12.7	47	8.3	1951
12	65.7	18.7	76.6	24.9	98	36.7	1950	54.9	12.7	47	8.3	1961
13	66.3	19.1	77.4	25.2	100	39.4	1950	55.1	12.8	49	9.4	1941*
14	67.2	19.6	77.5	25.3	100	42.2	1961	57.0	13.9	47	8.3	1981
15	66.5	19.4	77.8	25.4	100	40.6	1961	55.0	13.3	48	6.9	1981
16	66.4	19.1	77.2	25.1	104	40.7	1958	55.6	13.1	47	8.3	1931
17	65.2	18.8	76.6	24.8	97	36.1	1958	55.3	12.9	44	6.7	1946
18	65.2	18.7	76.8	24.9	96	35.6	1981	55.6	13.1	45	7.2	1946
19	65.0	18.8	77.1	25.1	101	36.7	1964	54.8	12.7	39	3.3	1949
20	65.1	18.4	75.7	24.3	97	36.1	1965	54.4	12.4	41	5.0	1949
21	65.0	18.3	75.2	24.0	102	36.2	1965	54.8	12.7	39	3.9	1949
22	65.2	18.3	75.7	24.3	100	41.1	1965	54.3	12.4	45	7.2	1949
23	64.5	18.1	75.8	24.3	98	36.7	1965	53.3	11.8	44	6.7	1949
24	65.0	18.3	75.5	24.7	97	36.1	1965	53.6	12.0	43	7.2	1953
25	64.7	18.2	76.3	24.6	97	33.7	1965	53.2	11.4	43	7.2	1971
26	63.7	17.6	74.7	23.3	97	32.2	1965	53.4	11.9	46	7.8	1940*
27	64.1	17.8	74.5	23.6	98	36.7	1973	53.8	12.1	44	6.7	1949
28	64.1	18.1	75.4	24.1	92	33.3	1973*	53.8	12.1	43	6.1	1971*
29	63.9	17.7	75.3	24.1	82	31.7	1965	52.5	11.4	40	4.4	1971
30	63.6	17.6	74.7	23.7	98	36.7	1962	52.5	11.4	39	3.9	1971
31	63.7	17.6	75.4	24.1	91	32.0	1967*	52.1	11.2	42	5.6	1971*
Monthly	66.1	18.9	76.9	24.9	100	42.2	1961	55.2	12.9	35	3.3	1949

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION FL 7090, CALIFORNIA STATION NAME 1945-1962 YEARS NOVEMBER MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	63.7	17.6	75.6	24.2	94	35.6	1966	51.5	11.0	42	5.6	1956
2	64.1	17.8	75.7	24.3	94	35.5	1976	52.5	11.4	42	4.4	1946
3	63.9	17.7	75.7	24.3	94	34.4	1950	52.1	11.2	40	4.4	1946
4	63.7	17.8	75.6	24.2	94	35.6	1976	51.8	11.0	42	5.6	1974
5	62.9	17.2	73.7	23.2	91	32.4	1976	52.1	11.2	42	5.6	1974
6	63.5	17.5	74.9	23.8	89	31.7	1949	52.3	11.3	42	5.6	1973
7	64.2	18.2	72.7	22.6	94	32.2	1956	51.7	10.9	46	7.8	1947
8	62.3	16.8	72.9	22.7	94	34.4	1956	51.7	10.9	42	5.6	1974
9	62.4	16.9	73.4	23.0	97	36.1	1956	51.3	10.7	41	5.0	1941
10	60.6	16.0	71.7	22.1	92	33.3	1956	49.9	9.9	39	3.9	1946
11	60.4	15.8	71.0	21.7	87	30.6	1956	50.0	10.0	35	1.7	1950
12	60.6	15.9	70.8	21.6	84	31.1	1974	50.4	10.2	34	3.3	1950
13	60.2	15.7	69.3	20.7	82	31.1	1949	51.0	10.6	44	6.7	1946
14	59.4	15.2	68.9	20.5	87	30.6	1949	49.9	9.9	39	3.9	1964
15	58.3	14.6	68.3	20.2	86	30.0	1949	48.4	9.1	39	3.9	1964
16	59.2	15.0	68.9	20.5	84	31.7	1976	49.0	9.4	36	2.2	1956
17	59.0	15.0	69.0	20.6	89	31.7	1976	48.9	9.4	40	4.4	1945
18	59.1	15.1	69.6	20.9	86	30.0	1949	48.7	9.3	41	5.0	1974
19	59.6	15.3	70.2	21.2	83	31.1	1954	49.0	9.4	33	3.3	1973
20	59.6	15.3	69.6	20.9	84	31.7	1954	49.5	9.7	39	3.9	1973
21	58.9	14.9	68.7	20.4	85	29.4	1954	48.9	9.4	39	3.9	1953
22	58.4	14.7	69.0	20.6	91	32.2	1950	47.8	8.8	39	3.9	1962
23	58.6	14.8	69.8	21.0	67	29.4	1975	47.4	8.6	35	1.7	1947
24	59.5	13.3	71.2	21.8	90	32.2	1975	47.9	8.8	38	3.3	1973
25	59.4	15.2	70.4	21.3	90	32.2	1977	48.4	9.1	33	3.3	1968
26	58.8	14.9	69.4	20.8	85	29.4	1977	48.1	8.9	40	4.4	1965
27	58.0	14.9	69.4	20.8	87	26.7	1977	48.3	9.1	38	3.3	1973
28	59.0	15.0	69.7	20.9	87	26.7	1959	48.2	9.0	40	4.4	1952
29	59.5	15.3	70.2	21.2	85	29.4	1977	48.7	9.3	36	2.2	1975
30	58.1	14.5	68.7	20.4	86	30.0	1964	47.4	8.6	35	1.7	1948
31												
Monthly	60.5	15.8	71.1	21.7	97	36.1	1956	49.8	9.9	35	1.7	1950

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

EL TORO, CALIFORNIA

1945-1962

DECEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C			
1	57.1	14.4	67.8	19.9	84	31.1	1959	48.3	9.1	31	1.3	1947		
2	57.3	14.3	68.4	20.2	91	32.7	1958	47.1	8.4	36	2.2	1973		
3	57.8	14.3	68.4	20.2	91	32.7	1958	47.2	8.4	35	1.7	1973		
4	57.6	13.9	67.0	19.4	87	30.6	1979	47.0	8.3	34	1.1	1940		
5	56.7	13.8	66.9	19.4	91	32.7	1979	46.6	8.1	32	0.0	1940		
6	56.7	13.5	66.2	19.0	89	30.3	1979	46.3	7.9	31	1.7	1951		
7	56.1	13.4	66.4	19.1	87	28.7	1979*	45.8	7.7	30	3.3	1953*		
8	56.7	13.5	65.9	18.8	82	27.8	1957	46.6	8.1	37	2.8	1951		
9	56.5	13.6	66.9	19.4	84	28.9	1975	46.1	7.8	34	1.1	1948		
10	56.5	13.6	67.7	19.4	81	29.4	1950	46.0	7.8	39	3.9	1973*		
11	56.7	13.7	66.6	19.2	83	28.5	1958	47.0	8.3	32	0.0	1949		
12	56.5	13.6	66.9	19.4	83	28.7	1952	46.2	7.9	32	0.0	1949		
13	56.6	13.1	66.4	19.1	81	29.4	1953	44.8	7.1	35	1.7	1949		
14	56.7	13.2	66.3	19.1	84	31.1	1953	46.1	7.3	34	1.1	1947		
15	56.4	13.6	67.0	19.4	84	28.9	1980	45.8	7.7	37	2.8	1948*		
16	56.5	13.6	67.3	19.4	85	29.4	1980	46.0	7.8	37	2.8	1942		
17	56.1	13.4	65.9	18.8	80	28.7	1950	46.2	7.9	36	2.2	1975		
18	55.2	12.9	64.4	19.0	77	25.6	1950	46.0	7.8	35	3.3	1944		
19	55.1	12.8	65.1	18.4	81	27.7	1954	45.2	7.3	35	1.7	1975		
20	55.5	13.2	66.7	19.3	85	29.4	1960	44.2	7.2	28	-2.2	1968		
21	54.9	12.7	64.7	18.2	77	26.1	1960	45.2	7.3	27	-2.2	1968		
22	44.9	12.1	63.9	17.7	81	27.7	1967	45.4	7.4	34	1.1	1964		
23	45.3	12.4	65.4	18.6	81	26.7	1963	45.2	7.3	34	1.1	1965		
24	45.5	13.1	65.7	18.7	83	28.7	1947	45.4	7.4	31	-0.6	1948		
25	45.1	13.2	65.7	18.6	81	28.7	1947	46.3	7.9	34	1.1	1951*		
26	45.5	13.2	65.7	18.7	81	27.7	1956	45.9	7.7	36	2.2	1949		
27	44.5	12.5	64.2	17.9	84	28.9	1956	44.9	7.2	35	1.7	1962		
28	44.5	12.5	63.8	17.7	84	28.9	1963*	45.1	7.3	30	-1.1	1961		
29	45.0	12.8	64.7	18.2	83	31.1	1980*	45.2	7.3	34	1.1	1954		
30	44.5	12.5	64.7	18.2	87	30.6	1980	44.3	6.8	30	-1.1	1949		
31	44.2	12.3	64.2	17.9	82	27.8	1963	44.3	6.8	37	2.8	1951		
Monthly	55.9	13.3	66.0	18.9	93	33.7	1958	45.9	7.7	26	-2.2	1960		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION 21101 EL TORO, CALIFORNIA STATION NAME 85-87 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
85				80	82	80	86	94	92	96	93	78	
86	78	74	84	86	84	84	90	90	92	91	78	72	92
87	76	81		94	93	81	97	95		84	78	83	
88		70	74	92	85	81	87	90	100	91	86	78	
89	69	75	71	86	90	97	86		100	91	93	75	
90	73	72	85	86		87	89		92	103	94	85	
91	84	77	87	81	84	86	94	95	71	96	85	70	96
92	76	80	84	83	97	86	89	90		88	89	83	
93	86	87	84	74	92	83		85	92	102	87	88	
94	87	88	76	79	83	81	94	94	91	85	99	81	94
95		78	82	83	72	85	85	101	106	85	80	77	
96	77	71	80	77	86	88	85	94	102	85	97	87	102
97	73	83	81		77	103	99	95	88	81	81	83	
98	79	76	70	91	3	84	88	96	95	104	80	93	104
99	77	74	85	89	74	87	100	92	99	90	86	88	100
00	75	72	85	89	37	91	103	88	99	93	81	85	103
01	83	81	85	88	89	90	96	94	100	100	86	74	108
02	84	73	71	99	91	93	90	88	95	96	81	77	99
03	82	81	71	78	79	86	88	95	116	87	83	82	116
04	81	83	84	97	84	90	88	91	93	101	88	76	101
05	88	85	83	92	84	80	92	98	93	106	90	82	106
06	79	79	88	101	83	84	91	96	94	93	96	74	101
07	77	87	86	71	101	87	93	102	100	100	88	76	102
08	82	82	87	92	91	90	78	103	100	95	84	72	103
09	87	78	84	92	85	89	90	101	93	93	90	81	101
10	72	80	82	83	97	103	108	100	99	90	85	80	108
11	89	94	87	92	89	92	100	95	108	105	89	75	108
12	85	82	82	83	90	88	103	98	90	96	80	79	103
13	78	76	70	83	98	107	89	96	98	98	84	82	107
14	76	81	78	88	90	91	91	86	93	101	78	81	101
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

011 J	EL TORO, CALIFORNIA
STATION	STATION NAME

45-27

YEARS

WHOLE DEGREES FAHRENHEIT:

[illegible]

SMOS

NAVAL WEATHER SEF VICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION EL TOPO, CALIFORNIA STATION NAME

45-82 YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
47			45 10						97 29				MAX TEMP DAYS
48	81 10												MAX TEMP DAYS
49								97 29					MAX TEMP DAYS
50					46 10			91 10					MAX TEMP DAYS
51									96 29				MAX TEMP DAYS
53							97 10						MAX TEMP DAYS
55	75 10												MAX TEMP DAYS
57				75 29									MAX TEMP DAYS
76			84 10										MAX TEMP DAYS
79										85 29			MAX TEMP DAYS
82	74 25	83 0	81 16	87 20	73 6	74 24	93 12	97 13	98 23	98 6	89 21	74 4	MAX TEMP DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION FL TORO, CALIFORNIA STATION NAME 45-82 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
40				37	46	51	58	52	53	52	39	38	
41	35	33	36	41	45	49	53	55	50	40	39	36	33
42	33	37		38	46	48	51	53		47	35	33	
43		31	34	32	39	44	48	49	44	42	35	31	
44	25	32	35	36	42	49	54		47		42	30	
45	29		35	40	39	45	55		48	43	35	39	
46	36	34	33	39	43	49	52	50	52	46	39	35	33
47	31	36	37	44	45	47	51	55		49	39	35	
48	38	34	34	33	34	45		51	50	45	39	35	
49	37	33	36	42	43	48	55	54	45	45	42	34	34
50		38	41	41	45	47	54	55	52	48		39	
51	30	34	39	41	50	50	55	55	56	46	40	42	36
52	35	40	43		50	51	56	58	55	50	44	46	
53	44	45	41	45	50	54	56	60	55	55	36	39	36
54	46	39	45	50	49	55	61	56	59	50	51	40	39
55	34	41	44	48	48	52	53	57	55	50	39	36	36
56	30	43	43	44	48	51	54	54	50	43	38	30	30
57	33	30	32	43	43	49	50	45	53	43	39	36	27
58	33	43	35	39	47	51	50	56	56	53	44	39	33
59	37	38	35	41	44	47	51	56	52	50	36	38	25
60	37	36	44	42	46	48	51	56	51	49	40	34	34
61	36	39	32	46	50	52	55	59	50	49	42	38	32
62	40	40	36	41	44	46	56	60	58	47	39	37	36
63	35	45	42	40	44	52	51	56	54	50	38	28	28
64	34	38	35	45	47	52	55	56	52	49	46	38	34
65	38	40	40	40	43	55	55	51	49	48	45	40	38
66	36	38	41	42	46	50	58	57	49	39	43	38	36
67	36	38	42	43	45	52	55	54	52	48	46	37	36
68	33	40	38	37	42	50	54	42	50	46	38	35	33
69	33	32	35	33	41	48	53	53	50	45	42	39	32
MEAN													
S. D.													
TOTAL OSS.													

SMOS

EXTREME VALUES

<u>STATION</u>	<u>EL TORO, CALIFORNIA</u>
<u>STATION NAME</u>	

45-92

YEARS

WHOLE DEGREES FAHRENHEIT

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SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION EL TORO, CALIFORNIA STATION NAME 45-57 YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
47			40 29						51 29				MIN TEMP DAYS
48	31 20												MIN TEMP DAYS
49								49 29		38 30			MIN TEMP DAYS
50		34 27						47 30					MIN TEMP DAYS
51									50 29				MIN TEMP DAYS
52							43 30						MIN TEMP DAYS
53	35 30										40 29		MIN TEMP DAYS
54				41 29									MIN TEMP DAYS
55			35 30										MIN TEMP DAYS
56										51 29			MIN TEMP DAYS
57	34 25	44 9	43 16	47 20	55 6	53 24	61 12	59 13	53 23	52 6	43 21	38 4	MIN TEMP DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

PSYCHROMETRIC SUMMARY

STATION

EL PASO, CALIFORNIA

73-79, 81-82

YEARS

JAN

HOURS

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
57-59															.1	.0		2							
58-60															.1			3							
59-61															.1			6							
60-62														.2	.1			3							
61-63												.2	.2	.1				9							
62-64											.1	.2	.2	.2				17							
63-65								.1	.1	.1	.1	.2	.2	.2				14							
64-66							.1	.2	.2	.2	.1	.1	.1					14							
65-67						.1	.2	.3	.4	.2	.2	.2						28							
66-68				.1	.1	.2	.3	.4	.5	.4	.1	.0						48							
67-69			.1	.2	.3	.4	.5	.6	.7	.5	.4	.1	.0					72							
68-70		.1	.2	.3	.4	.5	.6	.7	.8	.6	.5							93							
69-71		.1	.2	.3	.4	.5	.6	.7	.8	.6	.5							114							
70-72		.1	.2	.3	.4	.5	.6	.7	.8	.6	.5							152							
71-73		.1	.2	.3	.4	.5	.6	.7	.8	.6	.5							176							
72-74		.1	.2	.3	.4	.5	.6	.7	.8	.6	.5							211							
73-75		.1	.2	.3	.4	.5	.6	.7	.8	.6	.5							255							
74-76		.1	.2	.3	.4	.5	.6	.7	.8	.6	.5							244							
75-77		.1	.2	.3	.4	.5	.6	.7	.8	.6	.5							182							
76-78		.1	.2	.3	.4	.5	.6	.7	.8	.6	.5							176							
77-79		.1	.2	.3	.4	.5	.6	.7	.8	.6	.5							127							
78-80		.1	.2	.3	.4	.5	.6	.7	.8	.6	.5							85							
79-81		.1	.2	.3	.4	.5	.6	.7	.8	.6	.5							55							
80-82		.1	.2	.3	.4	.5	.6	.7	.8	.6	.5							33							
81-83		.1	.2	.3	.4	.5	.6	.7	.8	.6	.5							23							
82-84		.1	.2	.3	.4	.5	.6	.7	.8	.6	.5							14							
83-85		.1	.2	.3	.4	.5	.6	.7	.8	.6	.5							3							
84-86																									
85-87																									
86-88																									
87-89																									
88-90																									
89-91																									
92-94																									
95-97																									
98-100																									
Element (X)	ΣX^2		ΣX		\bar{X}		σ_X		No. Obs.		Mean No. of Hours with Temperature												Total		
Rel. Hum.											≤ 50 F	51-60 F	61-70 F	71-80 F	81-90 F	≥ 91 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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YEARS

PAGE 7

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STATION

STATION NAME

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PAGE 1

HOURS (L.S.T.)

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1078 2097 54321

STATION

STATION NAME

NY-77,41-92

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NORTH

1947

HOURS (L.S.T.)

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PSYCHROMETRIC SUMMARY

STATION LA JOLLA, CALIFORNIA YEARS 1951 MONTH MAY
 STATION NAME LA JOLLA NORTH
 PAGE 1
 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
70																		1	1						
71																		2	2						
72																		6	6						
73																		6	6						
74																		5	5						
75																		13	13						
76																		9	9						
77																		24	24						
78																		43	43	2					
79																		81	81		1				
80																		57	57	1	1				
81																		99	99	3	1				
82																		113	113	10	2				
83																		160	160	26	4				
84																		216	216	83	7				
85																		245	245	166	31				
86																		253	253	231	75				
87																		291	291	313	140				
88																		291	291	356	234				
89																		195	195	356	295				
90																		157	159	295	304				
91																		117	117	267	286				
92																		65	65	126	259				
93																		25	25	127	193				
94																		14	14	64	167				
95																		7	7	53	132				
96																		2	2	16	65				
97																					57				
98																					53				
99																					15				
100																					11				
101																					30				
102																					15				
Element (X)	ΣX ²		ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 60 F	61-65 F	66-70 F	71-75 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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STATION NAME

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NORTH

CASE 3

NOUVEAU (L.S.V.)

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HOURS (L-S-Y)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point															
70-71																		1	1																
71-72																		2	2																
72-73																		4	4																
73-74																		7	7																
74-75																		13	13																
75-76																		17	17																
76-77																		35	35																
77-78																		38	38																
78-79																		50	50																
79-80																		73	73																
80-81																		75	75	1															
81-82																		100	100	2															
82-83																		119	119	3															
83-84																		141	141	1															
84-85																		171	171	1															
85-86																		240	240	7															
86-87																		270	270	32															
87-88																		253	253	73															
88-89																		253	253	142															
89-90																		180	180	252															
90-91																		153	153	323															
91-92																		94	94	371															
92-93																		61	61	348															
93-94																		17	17	267															
94-95																		8	8	192															
95-96																		4	4	130															
96-97																				67															
97-98																				56															
98-99																				43															
99-100																				28															
100-101																				15															
101-102																				11															
102-103																				13															
103-104																				5															
Element (X)	ΣX ³			ΣX ²			ΣX			σ _X			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																10 F	132 F	167 F	173 F	180 F	193 F	Total													
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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10710 2-97 54321

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
72 F																		2	3																
73 F																		2	3																
74 F																		4	4																
75 F																		4	4																
76 F																		4	4																
77 F																		7	7																
78 F																		7	7																
79 F																		15	15																
80 F																		15	15																
81 F																		16	16																
82 F																		16	16																
83 F																		16	16																
84 F																		16	16																
85 F																		16	16																
86 F																		16	16																
87 F																		16	16																
88 F																		16	16																
89 F																		16	16																
90 F																		16	16																
91 F																		16	16																
92 F																		16	16																
93 F																		16	16																
94 F																		16	16																
95 F																		16	16																
96 F																		16	16																
97 F																		16	16																
98 F																		16	16																
99 F																		16	16																
100 F																		16	16																
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≤ 75 F		≤ 80 F		≤ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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PAGE 1

HOURS (L S T.)

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point							
32-39																		1	1								
42-49																		3	3								
52-59																		5	5								
62-69																		10	10								
72-79																		19	19								
82-89																		33	33								
92-99																		61	61								
100-109																		61	61								
110-119																		121	121								
120-129																		135	135	1							
130-139																		166	166	2							
140-149																		176	176	3	1						
150-159																		182	182	14							
160-169																		186	186	59	2						
170-179																		194	194	103	3						
180-189																		241	241	262	14						
190-199																		301	301	351	64						
200-209																		283	283	402	167						
210-219																		218	218	410	368						
220-229																		119	119	358	457						
230-239																		46	46	223	521						
240-249																		12	12	134	376						
250-259																		3	3	47	244						
260-269																				13	105						
270-279																				2	44						
280-289																					23						
290-299																					11						
300-309																					6						
310-319																					6						
TOTAL	1.1	0.1	1.0	21.0	11.0	10.0	12.0	7.0	1.0	2.0	1.3	.6	.3	.1	.0	.1	.0	2400	2400	2600	2480						

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Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	115.550	1043.06	15.3	15.66	248	≤ 60 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	120.5177	1745.97	7.05	4.5	248	449.0	254.1	119.7	3.3			766.0
Wet Bulb	745.19	1514.12	6.07	4.0	248	164.5	5.7					744.7
Dew Point	4320.615	14332.4	57.8	4.29	248	5.0	.9					744.0

STATION	STATION NAME	YEARS	MONTH
			1900
			HOURS (LST)

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PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
101.0																		1	1						
101.1																		1	3						
101.2																		1	7						
101.3																		1	11						
101.4																		1	11						
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112.9																		1	11						
113.0																		1	11						
113.1																		1	11						
113.2																									

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HOURS (L)

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PSYCHROMETRIC SUMMARY

STATION EL PASO, CALIFORNIA

73-12

TEARS

OCT

NORTH

PAGE 1

HOUS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL D.B./W.B.	TOTAL														
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																			
67-68																							4	4															
67-69																							3	3															
67-70																							6	6															
67-71																							10	10															
67-72																							20	20															
67-73																							26	26															
67-74																							36	36															
67-75																							39	39															
67-76																							62	62															
67-77																							79	79	1	1													
67-78																							87	87															
67-79																							108	108	1														
67-80																							139	139	9														
67-81																							159	159	32	1													
67-82																							186	186	63	8													
67-83																							245	245	124	22													
67-84																							253	253	220	69													
67-85																							270	270	103	137													
67-86																							245	245	363	208													
67-87																							207	207	338	247													
67-88																							135	135	316	318													
67-89																							69	69	238	297													
67-90																							51	51	170	275													
67-91																							14	14	113	187													
67-92																							8	8	56	139													
67-93																							1	1	52	90													
67-94																									17	67													
67-95																									6	57													
67-96																									2	51													
67-97																										52													
67-98																										58													
67-99																										20													
67-100																										27													
67-101																										32													
Element (X)	ΣX ²			ΣX			X̄			σ _X			No. Obs.			Mean No. of Hours with Temperature																							
Rel. Hum.																≥0 F						≥32 F			≥67 F			≥73 F			≥80 F			≥93 F			Total		
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

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MONTH

MOORE (L S T.)

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11

YEARS

ALL
MON

PAGE 3

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL D.B./W.B.	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73101 EL TORO, CALIFORNIA

73-82

STATION		STATION NAME												T-100
MRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNU/L
01	MEAN S. D. TOTAL OBS	50.1 5.986 278	50.8 5.489 253	50.9 4.824 310	52.7 4.536 300	56.4 3.833 310	60.8 4.616 299	63.7 3.237 310	64.3 3.885 310	64.2 4.712 300	60.1 4.640 308	54.8 5.903 299	51.3 5.524 310	56.4 7.194 3597
04	MEAN S. D. TOTAL OBS	49.3 6.370 279	49.7 5.498 253	49.8 5.021 309	51.6 4.676 300	55.7 3.909 310	59.5 4.271 299	62.7 3.241 310	63.6 3.772 310	63.4 4.685 300	59.2 4.950 308	53.6 5.952 299	50.7 5.453 310	55.9 7.286 3587
07	MEAN S. D. TOTAL OBS	48.9 6.206 279	49.7 5.350 253	50.8 4.751 310	55.0 4.107 300	58.8 4.235 310	62.9 5.599 300	65.4 3.982 310	65.5 4.131 310	65.1 5.338 300	60.1 4.889 308	53.7 5.930 299	50.1 5.411 310	57.3 8.025 3589
10	MEAN S. D. TOTAL OBS	58.2 6.110 279	59.9 6.317 253	60.3 5.811 310	64.1 6.187 300	66.5 6.560 310	72.7 8.222 300	76.6 5.306 310	75.8 5.303 310	74.7 7.988 300	70.4 6.582 308	65.1 7.434 300	60.6 6.499 310	67.2 9.174 3590
13	MEAN S. D. TOTAL OBS	63.5 7.898 279	65.4 7.316 253	64.1 7.107 310	68.3 7.233 300	70.4 7.320 310	77.2 8.157 300	81.0 5.002 310	80.9 4.852 310	80.1 8.017 300	76.1 7.148 308	70.8 8.119 300	66.3 7.205 310	72.2 9.678 3590
16	MEAN S. D. TOTAL OBS	61.7 7.495 279	63.7 6.825 253	62.6 6.336 310	66.2 6.558 299	68.5 6.470 310	75.2 7.554 300	78.9 4.864 310	78.5 4.531 310	77.3 7.663 300	72.7 6.607 308	67.3 7.446 300	63.9 6.571 309	69.9 9.072 3588
19	MEAN S. D. TOTAL OBS	54.1 5.898 279	55.9 4.983 253	56.3 4.779 310	58.9 4.941 300	61.4 4.989 310	67.5 6.883 300	70.4 4.195 310	69.7 4.117 310	69.0 6.205 300	64.6 4.784 308	59.2 5.975 300	56.0 5.402 309	62.1 7.840 3589
22	MEAN S. D. TOTAL OBS	51.6 6.027 279	52.7 5.214 253	52.7 4.605 310	54.6 4.597 300	58.0 4.270 310	62.6 5.150 299	65.3 3.501 310	65.9 3.817 310	65.8 5.384 300	61.6 4.874 308	56.3 5.966 300	53.2 5.354 309	58.5 7.267 3588
ALL HOURS	MEAN S. D. TOTAL OBS	54.7 8.465 2231	56.0 8.393 2028	55.9 7.655 2479	58.9 8.149 2399	62.0 7.569 2420	67.3 9.180 2397	70.3 8.057 2480	70.5 7.777 2480	69.9 8.824 2400	65.6 8.331 2464	60.1 9.165 2397	56.6 8.359 2477	62.5 10.197 28708

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MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION EL TORO, CALIFORNIA

73-82

STATION		STATION NAME												YEARS
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN S. D. TOTAL OBS	44.7 5.245 278	45.9 4.961 253	47.0 4.945 310	48.4 3.951 300	52.6 3.617 310	56.3 3.295 299	59.4 3.127 310	60.2 3.378 310	59.3 3.707 299	54.6 5.151 300	48.2 4.954 299	45.2 4.744 310	52.0 7.130 3586
04	MEAN S. D. TOTAL OBS	44.1 5.591 279	45.1 5.158 253	46.1 5.018 309	47.7 4.277 300	52.1 3.807 310	55.6 3.205 299	58.8 3.116 310	59.8 3.421 310	58.6 3.704 299	53.9 5.247 308	47.2 5.081 299	44.4 5.037 310	51.3 7.283 3546
07	MEAN S. D. TOTAL OBS	43.7 5.640 279	44.9 4.925 253	47.3 4.637 310	50.7 3.334 300	54.5 2.997 310	58.1 3.062 300	60.9 3.077 310	61.5 3.171 310	60.1 3.519 300	54.7 4.587 308	47.3 4.927 299	43.8 5.025 310	52.5 7.732 3589
10	MEAN S. D. TOTAL OBS	40.4 4.347 279	52.0 3.693 253	52.8 4.194 310	54.8 3.673 300	58.1 3.735 310	62.3 3.901 300	65.7 3.114 310	66.0 3.197 310	64.4 3.807 300	60.2 3.840 308	54.7 4.262 300	51.1 4.328 310	57.8 6.722 3590
13	MEAN S. D. TOTAL OBS	42.6 4.611 279	54.5 3.954 253	54.4 4.584 310	56.6 4.115 300	59.7 4.125 310	64.1 4.063 300	67.4 2.948 310	68.0 3.274 310	66.5 4.007 300	62.5 4.418 308	57.0 4.672 300	53.7 4.323 310	59.9 6.860 3590
16	MEAN S. D. TOTAL OBS	50.1 4.644 279	53.6 3.761 253	53.5 4.313 310	55.5 3.961 299	58.6 3.822 310	63.0 3.754 300	66.1 2.797 310	66.6 2.675 310	65.2 3.679 300	61.1 4.248 308	55.8 4.653 300	53.0 4.550 309	58.4 6.577 3588
19	MEAN S. D. TOTAL OBS	48.3 4.734 279	49.9 3.824 253	50.7 4.222 310	52.2 3.554 300	55.1 3.294 310	59.4 3.851 300	62.4 2.868 310	63.0 2.851 310	61.7 3.574 300	57.8 4.194 308	51.9 4.515 308	48.8 4.621 309	55.3 6.546 3589
22	MEAN S. D. TOTAL OBS	46.2 4.920 279	47.6 4.414 253	48.8 4.548 310	50.0 3.922 300	53.5 3.467 310	57.4 3.219 299	60.5 2.854 310	61.2 3.091 310	60.2 3.714 300	55.6 4.703 308	49.5 4.778 300	46.6 4.872 309	53.2 6.833 3585
ALL HOURS	MEAN S. D. TOTAL OBS	47.8 6.017 2231	49.2 5.668 2024	50.0 5.460 2479	52.0 4.964 2399	55.5 4.324 2440	59.6 4.681 2397	62.7 4.310 2480	63.3 4.311 2480	62.0 4.651 2398	57.5 5.538 2464	51.5 5.998 2397	48.3 5.975 2477	55.1 7.657 29706

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MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93101 EL TORO, CALIFORNIA

73-72

STATION		STATION NAME												YEAR											
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL											
01	MEAN	38.2	39.9	42.8	44.1	49.2	52.9	56.4	57.5	55.6	49.3	40.6	36.8	47.1											
	S. D.	9.658	9.951	8.041	6.201	5.239	4.963	4.116	3.911	6.345	10.011	10.921	10.727	10.645											
	TOTAL OBS	278	253	310	300	310	299	310	310	299	308	299	310	3586											
04	MEAN	37.4	39.2	41.9	43.8	48.9	52.4	56.0	57.2	54.9	48.6	39.6	36.0	46.5											
	S. D.	10.253	10.157	8.309	6.436	5.289	4.812	4.147	4.173	6.834	10.031	11.075	10.778	10.875											
	TOTAL OBS	279	253	309	300	310	299	310	310	299	308	299	310	3546											
07	MEAN	38.9	38.9	43.4	46.7	51.7	54.5	58.0	58.9	56.4	49.5	39.6	35.4	47.6											
	S. D.	10.619	10.189	7.922	5.375	4.631	4.256	3.702	3.680	6.360	9.485	11.061	10.525	11.247											
	TOTAL OBS	279	253	310	300	310	300	310	310	300	308	299	310	3589											
10	MEAN	42.2	44.0	45.7	46.9	51.6	55.5	59.3	60.3	57.9	52.3	45.0	41.1	50.3											
	S. D.	9.508	9.189	7.940	6.096	4.996	4.267	3.717	3.865	5.962	9.213	10.219	10.337	9.968											
	TOTAL OBS	279	253	310	300	310	300	310	310	300	308	300	310	3590											
13	MEAN	41.8	44.2	45.5	47.0	52.0	55.8	59.7	60.8	58.4	52.5	44.8	41.4	50.5											
	S. D.	9.593	9.164	8.657	6.826	5.235	5.605	4.065	4.502	6.057	9.622	10.399	10.310	10.352											
	TOTAL OBS	279	253	310	300	310	300	310	310	300	308	300	310	3590											
16	MEAN	42.4	43.9	45.1	46.3	51.2	55.0	58.6	59.7	57.6	52.5	45.4	42.0	50.1											
	S. D.	9.379	9.021	8.195	6.883	5.431	4.865	4.194	3.865	5.943	8.813	9.925	10.403	9.810											
	TOTAL OBS	279	253	310	299	310	300	310	310	300	308	300	309	3588											
19	MEAN	41.8	43.6	43.3	45.9	50.0	54.0	57.2	58.7	56.8	52.0	44.5	40.3	49.4											
	S. D.	9.075	8.282	6.938	6.542	4.963	4.688	3.714	3.690	5.404	8.465	9.829	10.258	9.397											
	TOTAL OBS	279	253	310	300	310	300	310	310	300	308	300	309	3589											
22	MEAN	39.6	41.6	44.2	45.4	49.6	53.6	57.2	58.2	56.0	50.1	42.0	38.3	48.2											
	S. D.	9.480	9.275	7.683	6.384	5.117	4.674	3.634	3.647	6.359	9.629	10.517	10.901	10.230											
	TOTAL OBS	279	253	310	300	310	299	310	310	300	308	300	309	3588											
ALL HOURS	MEAN	40.0	41.9	44.2	45.8	50.4	54.2	57.8	58.9	56.7	50.9	42.7	39.0	48.7											
	S. D.	9.922	9.652	8.070	6.451	5.233	4.911	4.099	4.107	6.264	9.529	10.746	10.809	10.432											
	TOTAL OBS	2231	2024	2479	2399	2430	2397	2480	2480	2398	2444	2397	2477	28706											

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RELATIVE HUMIDITY

FEB
MONT

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	01	100.0	96.0	92.5	86.6	81.0	71.9	60.9	39.1	21.7	70.9	253
	04	99.6	97.2	92.5	87.4	82.6	73.9	64.0	39.9	22.5	72.0	253
	07	99.2	97.6	92.1	86.6	80.2	71.9	62.5	39.9	21.7	71.2	253
	10	99.2	93.7	89.5	79.1	67.6	51.4	41.1	22.9	9.1	61.0	253
	13	99.6	90.9	79.8	66.8	53.0	37.9	20.2	7.9	2.9	51.2	253
	16	100.0	92.5	79.8	68.4	57.7	42.3	22.9	8.3	5.1	53.4	253
	19	100.0	97.2	93.7	87.7	78.7	68.4	52.6	25.7	7.5	67.2	253
	22	100.0	97.2	92.1	88.9	78.7	71.9	58.5	39.5	17.4	70.3	253
TOTALS		99.7	95.3	88.9	81.4	72.4	61.2	47.8	27.9	13.5	60.7	2024

OCEANAV-SMOS

RELATIVE HUMIDITY

MAR
MONT

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	31	100.0	98.7	98.4	98.8	90.6	84.2	69.7	44.8	17.4	76.0	310
	34	100.0	99.0	97.1	94.8	92.2	85.8	72.8	47.9	21.7	77.0	379
	37	100.0	99.4	97.1	94.2	91.9	87.1	73.2	51.6	26.1	78.2	310
	10	100.0	97.4	92.9	87.4	73.0	56.8	35.5	14.8	4.2	61.8	310
	13	99.7	93.9	87.4	78.4	62.3	37.7	19.0	9.4	3.2	54.9	310
	16	100.0	95.8	88.7	81.3	66.8	42.6	18.4	6.1	2.6	56.1	310
	19	100.0	99.4	98.1	93.2	87.4	74.2	52.6	21.0	4.2	68.8	310
	22	100.0	99.0	98.7	95.5	89.7	83.2	70.3	43.2	13.5	75.0	310
TOTALS		100.0	47.8	94.8	90.0	81.9	69.0	51.4	29.9	11.6	68.2	2479

OCEANAV-SMOS

RELATIVE HUMIDITY

405

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	95.0	98.7	96.0	93.0	88.0	70.3	34.0	7.7	74.5	300
	04	100.0	99.3	98.3	96.3	95.3	90.3	74.3	38.7	10.0	76.3	300
	07	100.0	99.7	98.3	96.7	94.7	88.7	68.0	34.3	10.7	75.3	300
	10	100.0	98.0	93.7	86.7	68.7	36.0	14.7	6.0	1.0	56.2	300
	13	100.0	93.7	89.3	80.0	49.7	18.0	6.0	2.0		49.1	300
	16	99.7	95.3	88.6	79.6	59.2	24.7	8.4	2.7	.3	51.4	299
	19	99.3	96.3	96.3	93.7	86.3	70.0	34.7	8.0	1.0	64.2	300
	22	99.7	99.0	97.3	96.7	93.3	87.3	67.7	28.0	3.0	72.9	300
TOTALS		99.8	97.8	95.2	90.7	80.0	62.9	43.0	19.2	4.2	65.0	2349

OCEANAV-SMOS

RELATIVE HUMIDITY

73-42

MAY
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01	100.0	99.7	99.4	98.7	97.1	91.6	75.5	42.9	12.6	77.8	310
	04	100.0	100.0	99.4	98.7	98.1	93.5	80.6	45.5	14.2	78.7	310
	07	100.0	99.7	99.4	98.4	97.1	90.0	68.7	39.0	15.8	76.9	310
	10	100.0	99.4	96.8	92.6	78.4	52.3	23.9	9.4	1.6	60.9	310
	13	99.7	98.7	96.1	87.7	65.9	29.0	9.0	3.5		54.1	310
	16	100.0	78.4	95.8	88.1	72.5	37.1	10.6	2.6		55.9	310
	19	100.0	98.4	98.1	97.4	90.4	76.1	45.8	12.3	1.9	67.9	310
	22	100.0	100.0	98.4	98.1	95.4	89.4	67.7	35.8	7.4	75.1	310
TOTALS		100.0	99.3	97.9	95.0	86.9	69.9	47.7	23.9	6.7	68.4	2480

OCEANAV-SMOS

RELATIVE HUMIDITY

JUN
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	01	99.7	99.3	98.3	97.7	97.0	91.6	78.6	41.5	11.0	77.5	299
	04	99.7	99.7	98.7	97.3	96.0	92.6	82.3	50.8	17.1	79.0	299
	07	99.7	99.3	97.7	96.7	95.7	89.7	71.0	43.0	12.7	76.4	300
	10	99.7	98.3	95.0	89.7	75.1	40.3	16.3	5.3	.7	57.2	300
	13	99.0	96.3	92.0	84.0	50.7	15.3	5.0	1.3		50.0	300
	16	99.7	97.3	93.3	83.0	57.7	22.0	5.3	1.0		51.6	300
	19	99.7	99.0	96.7	94.3	86.6	67.9	32.1	7.4		64.0	299
	22	99.7	99.0	98.7	96.7	94.6	91.3	66.9	33.1	5.7	74.4	299
TOTALS		99.6	98.5	96.5	92.7	81.7	63.8	44.7	22.9	9.9	66.3	2396

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

03101 EL YOCO, CALIFORNIA

73-12

JUL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	01	100.0	100.0	100.0	99.7	99.0	96.8	78.7	41.0	7.7	77.9	310
	04	100.0	100.0	100.0	99.7	98.4	97.7	81.9	47.1	12.3	79.4	310
	07	100.0	100.0	100.0	100.0	98.4	95.2	74.8	40.6	11.9	77.6	310
	10	100.0	100.0	100.0	93.9	68.1	31.6	9.0	2.9	.3	56.1	310
	13	100.0	99.7	96.1	85.2	42.9	7.4	1.6	.3		49.2	310
	16	100.0	99.4	96.5	85.2	58.1	12.6	1.9	.5		50.8	310
	19	100.0	100.0	100.0	97.7	89.0	67.4	24.8	5.5		63.9	310
	22	100.0	100.0	100.0	99.4	99.4	94.2	69.0	34.5	3.5	75.3	310
TOTALS		100.0	99.9	99.1	95.1	81.7	62.9	42.7	21.6	4.5	66.3	2440

OCEANAV-SMOS

RELATIVE HUMIDITY

77-42

AUG

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	100.0	100.0	99.4	98.1	82.3	42.0	8.1	79.2	310
	04	100.0	100.0	100.0	100.0	99.7	97.4	82.3	53.2	14.2	80.4	310
	07	100.0	100.0	100.0	99.7	98.7	95.8	80.6	52.3	14.8	79.9	310
	10	100.0	100.0	99.7	96.5	78.7	44.2	17.4	4.5	.6	59.8	310
	13	100.0	100.0	97.1	86.5	57.7	11.3	3.2	1.9	.3	51.5	310
	16	100.0	100.0	97.7	89.7	65.8	19.0	3.2	.3		53.3	310
	19	100.7	100.0	99.7	98.4	95.5	82.6	43.9	15.5	1.3	69.0	310
	22	100.0	100.0	100.0	100.0	99.4	94.8	72.3	41.6	5.8	77.0	310
TOTALS		100.0	100.0	99.3	96.4	86.4	67.9	48.2	27.3	5.4	68.8	2480

OCEANAV-SMOS

RELATIVE HUMIDITY

73-12

SEP

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01	100.0	99.0	96.7	94.3	92.6	88.6	73.9	44.5	12.0	76.1	299
	04	100.0	99.0	96.3	93.6	92.7	89.0	73.6	46.2	18.1	76.8	299
	07	100.0	98.3	96.3	93.3	92.0	87.7	72.0	48.0	17.7	76.4	300
	10	100.0	96.7	93.0	86.3	76.3	53.0	22.3	9.3	1.3	59.3	300
	13	99.7	96.0	90.3	80.3	53.3	18.7	6.7	1.3		50.1	300
	16	99.7	96.7	92.3	83.3	66.0	31.3	7.7	2.0		53.3	300
	19	100.0	98.7	95.7	92.7	88.7	78.0	46.3	20.0	1.0	67.6	300
	22	100.0	98.7	96.0	93.3	91.3	86.0	67.0	41.3	5.0	73.3	300
TOTALS		99.9	97.9	94.6	89.6	81.5	66.5	46.2	26.6	5.9	66.6	2398

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

101
STATION

EL TORO, CALIFORNIA
STATION NAME

73-82
PERIOD

OCT
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	01	100.0	97.1	92.2	87.0	83.1	78.9	65.9	38.3	13.6	71.6	308
	04	100.0	97.1	93.2	87.3	82.8	77.3	65.9	42.9	16.9	72.3	378
	07	100.0	96.4	92.5	88.3	83.7	78.9	63.3	42.9	16.9	72.3	378
	10	99.7	92.2	85.4	80.5	72.1	50.0	26.3	11.7	2.6	57.6	378
	13	99.7	88.0	81.8	74.7	50.6	18.2	6.2	3.2	.3	47.8	378
	16	99.7	91.9	85.1	79.9	67.5	38.3	9.1	1.3	1.0	52.8	379
	19	100.0	96.1	92.5	87.3	84.1	76.9	46.8	24.4	2.3	67.0	378
	22	100.0	96.8	91.6	89.0	83.0	1.9	60.1	33.8	8.8	70.0	308
TOTALS		99.9	94.7	89.3	84.3	76.0	62.3	43.0	24.8	7.9	63.9	2454

OCEANAV-SMOS

A

RELATIVE HUMIDITY

73-22

NOV
1944

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV.	01	100.0	95.0	85.0	78.5	71.0	59.7	46.5	30.5	13.0	64.4	290
	04	100.0	95.6	86.6	76.2	70.0	60.4	52.3	33.0	14.1	64.9	290
	07	100.0	95.3	84.9	76.5	68.1	59.1	51.0	34.2	15.8	64.9	290
	10	100.0	89.0	77.7	70.0	57.7	44.7	23.7	13.3	4.0	54.1	300
	13	100.0	82.7	71.3	58.0	38.7	20.3	8.3	2.7	1.0	43.9	300
	16	100.0	71.0	77.3	67.3	55.0	35.3	12.3	4.7	.7	50.0	300
	19	100.0	96.3	88.7	40.3	71.7	60.7	46.3	25.7	5.0	53.1	300
	22	100.0	95.0	86.3	79.6	70.6	61.5	49.5	30.8	12.4	64.5	290
TOTALS		100.0	82.5	82.3	73.3	63.0	50.2	36.3	23.0	5.4	58.7	2300

OCEANAV-SMOS

RELATIVE HUMIDITY

73-42

DEC
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	03	100.0	95.5	87.1	77.1	66.3	56.5	39.4	22.6	11.6	61.6	310
	04	100.0	95.5	87.1	79.3	68.1	54.5	42.3	22.6	10.6	62.0	310
	07	100.0	87.4	38.7	78.8	65.8	55.2	38.7	23.2	11.6	61.5	210
	1	100.0	91.9	31.0	67.4	53.9	40.3	26.5	14.8	5.5	53.8	310
	13	92.7	88.1	71.3	56.1	39.7	23.2	10.6	6.3	1.3	45.1	310
	14	100.0	89.0	77.7	68.6	50.8	24.2	14.9	4.3	1.0	49.3	309
	16	100.0	94.8	88.3	78.3	69.9	59.2	38.8	19.7	6.8	61.5	309
	22	100.0	94.5	87.4	77.7	67.5	57.3	42.0	23.0	10.7	62.1	309
TOTALS		100.0	93.3	83.4	73.0	60.3	46.8	31.9	17.1	7.4	57.1	2477

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	95.0	87.7	80.0	70.4	58.7	42.3	24.3	10.7	62.9	2231
FEB		99.7	95.3	88.9	81.4	72.4	61.2	47.4	27.9	13.5	64.7	2024
MAR		100.0	7.8	24.4	50.0	81.9	69.0	51.4	29.9	11.6	68.5	2479
APR		99.9	87.4	95.2	90.7	80.0	62.9	43.0	19.2	4.2	65.0	2399
MAY		100.0	99.3	97.9	95.0	86.9	69.9	47.7	23.9	6.7	68.4	2480
JUN		99.6	98.5	96.3	92.7	81.7	63.8	44.7	22.9	5.9	66.3	2396
JUL		100.0	99.9	99.1	95.1	81.7	62.9	42.7	21.6	4.5	66.3	2480
AUG		100.0	100.0	99.3	96.4	86.8	67.9	48.2	27.3	5.6	68.6	2480
SEP		99.9	97.9	94.6	89.6	81.5	66.5	46.2	26.6	6.9	66.6	2398
OCT		99.9	94.7	89.3	84.3	76.0	62.3	43.0	24.8	7.2	63.9	2454
NOV		100.0	92.5	82.3	73.3	62.7	50.2	36.3	22.0	8.4	58.7	2393
DEC		100.0	93.3	83.6	73.0	60.9	46.8	31.9	17.1	7.4	57.1	2477
TOTALS		99.7	95.9	92.4	86.8	76.9	61.8	43.8	24.0	7.8	64.8	28701

OCEANAV-SMOS

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION

STATION NAME

YEARS

MONTH

HOURS

07101

LA TOPPO, CALIFORNIA

JANUARY 1973-DECEMBER 1982

JANUARY

ALL

WIND DIRECTION											
TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
+2 TO +6											
87 TO 91		100.0								7	.1
82 TO 86	11.1	11.1		11.1			55.6	11.1		9	.4
77 TO 81	6.7	17.2	13.8		10.3	6.5	27.6	13.8	3.8	29	1.3
72 TO 76	7.3	11.6	2.3		16.3	4.7	37.2	14.0	7.0	43	1.9
67 TO 71	1.7	9.5	3.4	3.4	9.5	3.4	36.2	20.7	12.1	116	5.2
62 TO 66	6.3	3.0	7.7	1.8	10.4	7.2	36.0	11.7	14.0	222	10.0
57 TO 61	4.4	8.8	9.1	8.8	15.1	7.0	19.5	5.2	22.1	384	17.3
52 TO 56	3.6	7.8	26.8	15.6	10.9	2.6	4.1	3.8	20.7	604	27.1
47 TO 51	4.4	13.4	37.9	16.1	5.4	1.9	4.8	1.5	14.6	478	21.4
42 TO 46	3.2	16.7	45.0	16.3	2.8	.4	1.2	1.6	12.7	251	11.3
37 TO 41	1.3	16.0	44.0	14.7	2.7			1.3	21.0	15	3.4
32 TO 36	5.9	11.8	47.1	17.6	11.8				5.9	17	.8
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.1	10.6	25.0	12.1	9.2	3.5	13.3	5.2	16.9	2231	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

L. LIMO, CALIFORNIA

JANUARY 1973-DECEMBER 1982

FEBRUARY

ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86		10.0					30.0	40.0		10	.5
77 TO 81	6.3	6.3	3.1				46.9	15.6	21.9	35	1.8
72 TO 76	10.0	16.7	1.7		10.0	5.0	31.7	16.7	8.3	60	3.0
67 TO 71	4.0	8.3	7.4	1.5	11.1	3.0	35.6	12.6	16.3	135	6.7
62 TO 66	1.4	5.0	7.3	3.7	14.2	11.0	31.2	13.4	12.4	214	10.8
57 TO 61	3.7	7.9	10.6	11.6	14.4	10.7	19.6	6.9	14.4	414	20.0
52 TO 56	4.6	10.3	11.2	15.4	10.5	4.2	4.0	5.0	20.4	524	25.9
47 TO 51	2.9	8.5	46.0	15.3	5.8	1.2	1.5	1.5	17.7	413	20.6
42 TO 46	3.3	14.2	45.9	15.3	3.3		1.1		16.9	183	9.0
37 TO 41	2.4	12.2	43.9	22.3	7.3				12.2	41	2.0
32 TO 36			15.0						25.0	4	.2
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.7	9.2	23.6	11.8	9.8	5.0	14.0	6.2	16.6	2024	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION

EL TORO, CALIFORNIA

JANUARY 1973-DECEMBER 1982

MARCH

ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		3.3					66.7			3	.1
82 TO 86		22.2	11.1			11.1	55.6			9	.4
77 TO 81	4.4			9.5	4.8		47.6	23.8	9.5	21	.8
72 TO 76	3.8	1.9	1.9	1.9	7.7	5.8	53.8	15.4	7.7	52	2.1
67 TO 71	5.6	4.9	.7	2.1	10.6	7.7	48.6	12.7	7.7	142	5.7
62 TO 66	4.4	2.4	4.0	2.0	16.5	15.3	31.3	11.4	12.4	297	12.0
57 TO 61	1.3	2.2	9.0	8.6	21.5	14.0	22.8	4.9	15.9	336	13.6
52 TO 56	1.3	3.7	22.5	15.9	15.1	6.5	10.3	3.1	21.7	710	28.6
47 TO 51	2.5	9.0	40.7	16.7	5.6	1.9	4.0	1.7	17.7	479	19.3
42 TO 46	3.5	10.6	42.9	18.7	3.5	1.0	1.5	.5	17.7	198	8.0
37 TO 41		10.0	63.3	13.3	3.3				10.0	30	1.2
32 TO 36				50.0					50.0	2	.1
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.4	5.7	21.1	11.5	13.4	7.6	17.1	4.7	16.5	2479	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION LA TOL, CALIFORNIA DATE JANUARY 1971-DECEMBER 1982 APPX ALL
STATION NAME YEARS MONTH HOURS LAST

TEMP.	WIND DIRECTION									TOTAL FREQ.	% OF TOTAL
	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM		
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96							100.0			1	.0
87 TO 91							100.0			2	.1
82 TO 86		11.1	5.6		11.1		50.0	16.7	5.6	18	.9
77 TO 81	5.2	6.9		1.7		10.3	60.3	13.8	1.7	58	2.8
72 TO 76	6.3	3.1	.8	3.1	9.4	5.5	47.2	15.7	8.7	127	5.3
67 TO 71	4.3	2.9	1.9	2.4	11.0	12.0	44.0	12.9	8.1	209	8.7
62 TO 66	3.3	.0	1.3	5.6	18.9	15.0	30.1	9.3	15.8	359	15.0
57 TO 61	1.0	2.3	9.6	11.6	18.6	11.3	20.4	3.7	21.4	602	25.1
52 TO 56	1.1	4.2	27.1	16.2	10.3	5.6	9.0	1.3	24.7	617	25.5
47 TO 51	3.7	8.7	42.7	18.1	4.4	.9	4.6	.9	16.2	321	13.0
42 TO 46	2.3	7.0	50.0	22.1	4.7			1.2	12.8	86	3.6
37 TO 41			75.0				25.0			4	.2
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -7											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	2.5	3.9	17.7	11.5	12.4	6.2	20.8	5.4	17.5	2399	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION FL 1060, CALIFORNIA STATION NAME JANUARY 1973-DECEMBER 1982 YEARS MAY MONTH ALL HOURS U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101							100.0			2	.1
92 TO 96	10.0				10.0		50.0	30.0		10	.4
87 TO 91	18.2						45.5	27.3	9.1	11	.4
82 TO 86		3.3	6.7		6.7	6.7	40.0	36.7		10	1.2
77 TO 81		3.2	1.6	1.6	4.8	7.9	44.9	31.7	4.8	63	2.3
72 TO 76	2.5		1.3	.6	10.1	7.0	55.7	16.5	6.3	153	6.4
67 TO 71	2.1	.6	1.2	3.6	12.4	13.0	47.3	10.9	8.8	230	13.3
62 TO 66	.9	.7	5.0	7.0	26.3	14.7	28.7	4.6	12.1	856	18.4
57 TO 61	1.6	1.2	12.0	14.4	21.1	10.9	13.6	3.7	21.5	856	34.5
52 TO 56	1.4	3.3	31.0	15.5	15.1	5.0	6.7	2.1	19.5	478	19.3
47 TO 51	1.3	10.1	44.3	25.3	5.1	1.3	2.5	2.5	7.6	79	3.2
42 TO 46			65.7	14.3						7	.3
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	1.7	1.7	13.1	10.6	17.7	9.9	23.3	6.6	15.4	2460	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION CL TCHO, CALIFORNIA STATION NAME JANUARY 1971-DECEMBER 1982 YEARS JULY MONTH ALL HOURS UNIT

TEMP.	WIND DIRECTION								CALM	TOTAL FREQ.	% OF TOTAL
	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW			
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106							33.3	66.7		3	.1
97 TO 101	5.4	11.6				5.9	47.1	29.4		17	.7
92 TO 96		8.5			4.5	9.1	54.5	27.3		22	.9
87 TO 91	2.1	4.2			4.3		39.6	43.8	4.2	42	2.0
82 TO 86	2.9	2.9	1.0	1.9	1.0	2.0	51.5	27.2	8.7	103	4.3
77 TO 81	2.0	1.0	1.5	2.0	5.9	1.9	46.8	33.5	3.4	203	8.5
72 TO 76	2.7		2.7	1.7	7.8	3.0	49.0	25.3	7.0	204	12.3
67 TO 71	2.5	.3	3.9	4.5	12.1	8.7	36.2	14.0	13.3	256	14.9
62 TO 66	2.3	1.6	7.6	7.1	18.5	6.6	22.7	8.5	25.0	577	24.0
57 TO 61	2.7	1.9	18.5	15.3	15.0	5.1	8.9	5.3	27.4	628	26.2
52 TO 56	3.5	3.5	35.7	14.8	5.6		4.2	1.4	28.2	142	5.9
47 TO 51			40.0	20.0					40.0	5	.2
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.5	1.5	10.0	7.0	12.2	5.2	27.3	14.1	19.3	2400	100.0

NAVJASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION 1 1L TO-0, CALIFORNIA STATION NAME JANUARY 1973-DECEMBER 1992 YEARS MONTH JULY ALL HOURS 0000-2359

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101							50.0	50.0			.2
92 TO 96	8.3				8.3		50.0	33.3		12	.5
87 TO 91					5.3	5.3	52.6	33.3	3.5	57	2.3
82 TO 86	1.6	.5		1.6	4.7	2.6	55.3	31.1	2.6	190	7.7
77 TO 81	2.4		.1	.8	9.0	5.1	52.4	26.1	4.0	376	15.2
72 TO 76	1.3	.3	1.1	2.9	11.3	6.3	46.1	20.8	10.0	380	15.3
67 TO 71	2.7	.4	4.8	5.8	18.2	5.2	23.0	14.2	25.7	479	19.3
62 TO 66	4.0	.8	15.7	10.4	12.6	5.8	11.0	9.0	30.7	721	29.1
57 TO 61	4.5	2.0	10.9	16.7	9.3	.8	4.1	3.7	26.0	246	9.9
52 TO 56			53.3	13.3			6.7		25.7	15	.6
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.9	.6	9.1	6.3	11.7	4.8	26.8	16.3	19.0	2460	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION EL TORO, CALIFORNIA YEAR JANUARY 1973-DECEMBER 1992 MONTH AUGUST DAY 31

WIND DIRECTION											
TEMP.	NNW & N	NNW & NE	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101							50.0	50.0		4	.2
92 TO 96							64.6	15.4		15	.5
87 TO 91					8.9	9.9	51.1	17.8	2.2	45	1.8
82 TO 86	1.6			3.7	7.3	9.2	56.6	21.8	3.1	191	7.7
77 TO 81	.5	.3	.6	1.4	8.3	5.2	54.4	23.2	5.8	362	14.6
72 TO 76	3.5	.8	.5	4.1	13.9	6.9	43.7	14.7	12.1	373	15.0
67 TO 71	1.2	.7	6.2	8.0	14.2	5.5	23.8	8.5	29.8	597	24.1
62 TO 66	4.0	3.1	16.3	7.6	9.9	2.5	16.0	7.6	33.0	645	26.0
57 TO 61	6.4	5.0	35.0	13.2	1.4	.9	3.6	7.7	26.8	220	8.9
52 TO 56	3.3	6.7	46.7	10.0	6.7			7.3	23.3	37	1.2
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.2	1.7	9.6	6.3	10.2	4.2	30.7	12.5	21.4	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION FL 1040, CALIFORNIA STATION NAME JANUARY 1973-DECEMBER 1982 YEARS MONTH ALL

TEMP.	WIND DIRECTION								CALM	TOTAL FREQ.	% OF TOTAL
	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW			
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106							100.0			1	.0
97 TO 101			4.8			4.8	47.6	42.9		21	9.9
92 TO 96	4.5					13.4	52.3	29.5	2.3	44	1.8
87 TO 91	1.4	2.0	1.4	1.4	4.3	2.9	53.6	27.5	4.3	60	2.9
82 TO 86	3.5		4.2	.7	3.5	.7	50.6	26.6	4.2	143	6.0
77 TO 81	2.3	3.7	3.2	1.7	6.5	5.6	44.0	20.4	12.5	216	7.2
72 TO 76	2.9	2.7	4.3	3.2	7.8	6.7	42.6	13.7	16.1	373	15.5
67 TO 71	3.4	1.7	7.8	5.3	14.8	9.5	29.1	9.8	27.7	525	22.0
62 TO 66	4.8	3.2	15.1	10.3	11.5	2.9	12.7	7.4	32.3	663	27.6
57 TO 61	3.6	4.3	35.1	10.9	5.9	.3	10.1	4.2	23.6	259	12.0
52 TO 56	3.8	11.3	56.5	3.8	3.8			1.9	17.0	53	2.2
47 TO 51			100.0							1	.0
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.6	3.1	12.7	6.2	9.3	4.0	26.9	12.0	22.3	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION 101 LA JOLLA, CALIFORNIA DATE JANUARY 1973-DECEMBER 1982 MONTH OCTOBER YEAR ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96							59.9		11.1	9	.4
87 TO 91	2.9		2.9			2.9	50.8	29.4	2.9	34	1.4
82 TO 86	1.2	11.6	1.2		1.2	3.5	93.5	23.5	7.1	85	3.4
77 TO 81	2.8	9.2	3.8	1.3	1.3	1.9	98.9	24.8	5.1	157	6.4
72 TO 76	1.2	5.4	6.2	2.3	4.8	5.4	96.9	21.2	7.3	260	10.6
67 TO 71	3.8	7.6	6.7	2.9	10.9	7.2	52.9	9.8	19.6	419	17.0
62 TO 66	5.9	5.4	15.6	8.2	6.3	3.9	14.6	6.3	34.2	647	26.3
57 TO 61	3.5	5.2	33.7	8.9	3.6	1.0	7.3	1.7	33.0	575	23.3
52 TO 56	.8	6.6	48.5	11.6	3.3	.8	2.9	.8	24.0	281	9.4
47 TO 51		8.3	47.2	13.9	5.6				25.0	34	1.5
42 TO 46		100.0								1	.0
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-60 & LWR											
TOTALS	3.2	6.3	19.5	6.4	6.3	3.4	22.1	8.9	24.1	2466	100.0

NAVWEASERVCOM

**PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION**

STATION

LA JOLLA, CALIFORNIA

JANUARY 1973-DECEMBER 1992

NOVEMBER

ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
22											
17 TO 22											
12 TO 17											
7 TO 12											
2 TO 7											
27 TO 32											
32 TO 37											
37 TO 42											
42 TO 47											
47 TO 52											
52 TO 57											
57 TO 62											
62 TO 67											
67 TO 72											
72 TO 77											
77 TO 82											
82 TO 87											
87 TO 92											
92 TO 96							33.3	66.7		9	9.1
97 TO 99	6.7	13.3					33.3	26.7		15	15.5
97 TO 98	2.7	13.5			2.7	5.4	35.1	32.6	8.1	37	1.5
97 TO 99	4.2	12.6	4.2	1.1	5.3	1.1	37.9	26.3	9.4	95	4.7
92 TO 96	6.7	6.8	5.1	.7	4.8	.7	34.0	29.3	11.9	147	6.1
97 TO 99	3.1	9.6	9.2	1.9	7.7	4.3	29.8	17.5	13.6	224	9.5
92 TO 96	3.1	7.8	10.2	6.5	14.6	6.8	35.6	9.9	16.2	383	16.1
97 TO 99	3.9	6.7	25.7	12.2	8.3	5.1	9.7	4.6	23.7	465	23.5
92 TO 96	2.8	12.8	41.0	12.8	3.2	1.3	3.2	1.1	21.9	570	22.5
47 TO 51	1.7	12.3	51.9	14.5	2.4	.7	1.7	.7	14.7	793	13.2
42 TO 46	2.4	9.4	43.5	14.1	4.7			2.4	23.5	65	3.5
37 TO 41			33.3	55.6	11.1					9	.4
32 TO 36				100.0						1	.0
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-79 & LWR											
TOTAL	7.3	9.6	26.3	9.5	6.7	3.6	14.6	8.3	18.1	2400	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

L. L. CO. CALIFORNIA

JANUARY 1973-DECEMBER 1982

DECEMBER

A. L.

WIND DIRECTION

TEMP.	NNE & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	NNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
01 TO 05											
05 TO 10											
10 TO 15											
15 TO 20											
20 TO 25											
25 TO 30											
30 TO 35											
35 TO 40											
40 TO 45											
45 TO 50											
50 TO 55											
55 TO 60											
60 TO 65											
65 TO 70											
70 TO 75											
75 TO 80											
80 TO 85											
85 TO 90											
90 TO 95											
95 TO 100											
100 TO 105											
105 TO 110											
110 TO 115											
115 TO 120											
120 TO 125											
125 TO 130											
130 TO 135											
135 TO 140											
140 TO 145											
145 TO 150											
150 TO 155											
155 TO 160											
160 TO 165											
165 TO 170											
170 TO 175											
175 TO 180											
180 TO 185											
185 TO 190											
190 TO 195											
195 TO 200											
200 TO 205											
205 TO 210											
210 TO 215											
215 TO 220											
220 TO 225											
225 TO 230											
230 TO 235											
235 TO 240											
240 TO 245											
245 TO 250											
250 TO 255											
255 TO 260											
260 TO 265											
265 TO 270											
270 TO 275											
275 TO 280											
280 TO 285											
285 TO 290											
290 TO 295											
295 TO 300											
300 TO 305											
305 TO 310											
310 TO 315											
315 TO 320											
320 TO 325											
325 TO 330											
330 TO 335											
335 TO 340											
340 TO 345											
345 TO 350											
350 TO 355											
355 TO 360											
360 TO 365											
365 TO 370											
370 TO 375											
375 TO 380											
380 TO 385											
385 TO 390											
390 TO 395											
395 TO 400											
400 TO 405											
405 TO 410											
410 TO 415											
415 TO 420											
420 TO 425											
425 TO 430											
430 TO 435											
435 TO 440											
440 TO 445											
445 TO 450											
450 TO 455											
455 TO 460											
460 TO 465											
465 TO 470											
470 TO 475											
475 TO 480											
480 TO 485											
485 TO 490											
490 TO 495											
495 TO 500											
TOTALS	8.0	11.4	26.4	9.6	6.9	5.5	12.2	7.8	18.2	2477	100.0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

FL 1000, CALIFORNIA

JANUARY 1973-DECEMBER 1982

ALL

ALL

WIND DIRECTION

TEMP. & TO	NNE & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122.1											
117.1 TO 121.1											
112.1 TO 116.1											
107.1 TO 111.1											
102.1 TO 106.1							50.0	50.0		100	1.0
97.1 TO 101.1	2.1	4.2	2.1			4.2	52.0	3.5		68	.2
92.1 TO 96.1	3.5	7.0			2.6	6.1	52.0	26.3	1.2	114	.4
87.1 TO 91.1	2.3	3.1	1.4	.3	1.8	2.6	50.3	12.1	3.4	250	1.0
82.1 TO 86.1	2.6	3.5	1.7	1.7	4.2	1.2	52.5	26.2	4.3	236	2.9
77.1 TO 81.1	2.5	3.4	1.7	1.4	6.4	4.6	48.5	25.0	6.3	1647	5.7
72.1 TO 76.1	1.2	2.7	2.7	2.5	7.1	5.3	44.8	19.3	10.3	2351	8.2
67.1 TO 71.1	1.4	3.1	5.2	4.5	12.6	7.0	31.7	12.6	19.9	2716	12.9
62.1 TO 66.1	3.5	3.1	11.0	7.5	14.2	7.1	21.0	4.4	23.0	5516	19.2
57.1 TO 61.1	3.0	4.4	13.4	11.0	13.2	7.1	13.8	4.6	23.0	5779	20.1
52.1 TO 56.1	2.6	7.6	20.8	14.3	9.5	3.7	6.7	2.7	22.2	4573	15.0
47.1 TO 51.1	3.0	11.5	43.2	15.7	4.7	1.3	3.1	1.4	16.2	2623	9.1
42.1 TO 46.1	3.0	13.0	45.6	17.7	3.5	.4	.9	.9	15.1	1907	3.5
37.1 TO 41.1	1.4	11.1	45.6	19.7	5.8	.5	.5	.5	14.7	190	.7
32.1 TO 36.1	4.0	7.0	44.0	20.0	8.0				16.0	25	.1
27.1 TO 31.1											
22.1 TO 26.1											
17.1 TO 21.1											
12.1 TO 16.1											
7.1 TO 11.1											
2.1 TO 6.1											
-3.1 TO -1.1											
-8.1 TO -4.1											
-13.1 TO -9.1											
-18.1 TO -14.1											
-23.1 TO -19.1											
-28.1 TO -24.1											
-33.1 TO -29.1											
-38.1 TO -34.1											
-43.1 TO -39.1											
-48.1 TO -44.1											
-53.1 TO -49.1											
-58.1 TO -54.1											
-63.1 TO -59.1											
TOTALS	2.1	5.3	17.7	9.1	10.5	5.3	21.1	9.1	14.6	23714	100.0

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Asheville, N. C.

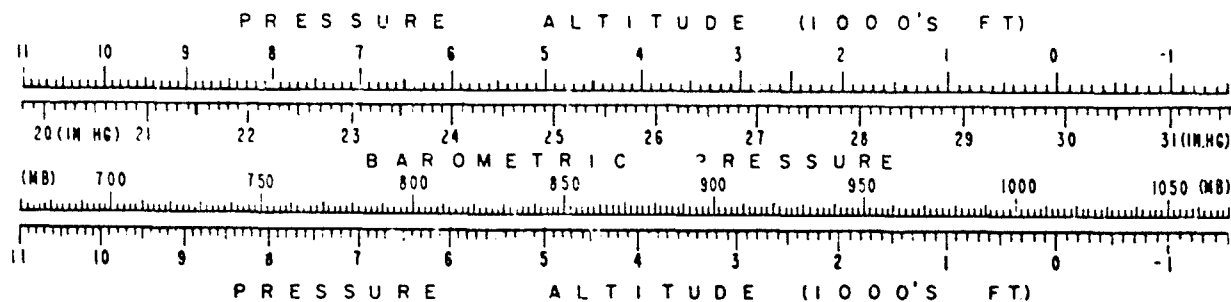
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

STATION EL TORO, CALIFORNIA

73-82

STATION	STATION NAME	TEARS
HRS.(L.S.T.)		
		JAN. FEB. MAR. APR. MAY JUN. JUL. AUG. SEP. OCT. NOV. DEC. ANNUAL
1	MEAN S. D. TOTAL OBS	1017.7 3.743 270 1018.0 3.714 253 1015.4 3.890 310 1015.5 2.741 300 1013.6 2.342 310 1012.7 2.182 300 1012.9 1.954 310 1012.8 2.272 310 1012.2 2.333 300 1014.7 2.374 300 1016.5 3.454 300 1017.7 3.553 310 1015.0 3.549
4	MEAN S. D. TOTAL OBS	1017.4 3.793 279 1017.4 3.748 253 1015.1 3.931 307 1015.0 2.776 300 1013.2 2.400 310 1012.4 2.212 300 1012.7 2.014 310 1012.5 2.279 310 1011.9 2.327 300 1014.3 2.384 300 1016.2 3.482 300 1017.5 3.546 310 1014.6 3.576 3549
7	MEAN S. D. TOTAL OBS	1018.2 3.847 273 1018.2 3.779 253 1016.0 4.063 310 1016.0 2.808 300 1014.1 2.418 310 1013.4 2.192 300 1013.7 2.019 310 1013.4 2.294 310 1012.9 2.359 300 1015.2 2.419 300 1017.0 3.522 300 1018.1 3.571 310 1019.2 3.540 3590
10	MEAN S. D. TOTAL OBS	1019.3 3.822 279 1019.2 3.669 253 1016.7 4.003 310 1016.5 2.744 300 1017.4 2.371 310 1013.4 2.182 300 1013.8 2.012 310 1013.8 2.304 310 1013.3 2.448 300 1015.2 2.429 300 1017.4 3.601 300 1019.2 3.575 310 1016.0 3.729 3590
17	MEAN S. D. TOTAL OBS	1017.1 3.653 279 1017.5 3.585 253 1015.8 3.862 310 1015.4 2.705 300 1013.4 2.318 310 1012.9 2.184 300 1013.0 1.941 310 1012.8 2.308 310 1012.0 2.447 300 1014.0 2.398 300 1015.8 3.519 300 1017.0 3.575 310 1014.7 3.452 3590
18	MEAN S. D. TOTAL OBS	1016.7 3.696 273 1016.8 3.553 253 1014.7 3.795 310 1014.5 2.638 299 1012.8 2.272 310 1012.1 2.158 300 1012.8 1.976 310 1011.7 2.304 310 1011.0 2.424 300 1013.4 2.405 300 1015.4 3.514 300 1016.6 3.521 309 1013.9 3.514 3588
19	MEAN S. D. TOTAL OBS	1017.5 3.777 279 1017.5 3.714 253 1015.2 3.804 310 1014.9 2.653 300 1013.2 2.234 310 1012.3 2.197 300 1012.2 1.988 310 1012.9 2.264 310 1011.4 2.359 300 1014.3 2.412 300 1016.2 3.575 300 1017.4 3.573 309 1014.5 3.644 3589
22	MEAN S. D. TOTAL OBS	1018.1 3.748 279 1018.2 3.780 253 1016.1 3.784 310 1015.8 2.701 300 1014.1 2.273 310 1013.2 2.185 300 1013.2 1.986 310 1013.4 2.257 310 1012.9 2.317 300 1014.9 2.378 300 1016.2 3.554 300 1018.0 3.513 309 1015.2 3.557 3589
ALL HOURS	MEAN S. D. TOTAL OBS	1017.7 3.435 2231 1017.8 3.745 2024 1015.6 3.933 2479 1015.4 2.785 2399 1013.6 2.312 2480 1012.8 2.241 2400 1012.9 2.078 2480 1012.8 2.377 2480 1012.2 2.470 2400 1014.6 2.493 2454 1016.5 3.595 2400 1017.7 3.674 2477 1014.9 3.627 28714

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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

7101 EL TORO, CALIFORNIA

13-42

STATION	STATION NAME	YEARS
HRS.(L.S.T.)		JAN. FEB. MAR. APR. MAY JUN. JUL. AUG. SEP. OCT. NOV. DEC. ANNUAL
1	MEAN S. D. TOTAL OBS	29.648 .119 278 29.658 .109 253 29.594 .114 310 29.584 .080 300 29.531 .069 310 29.508 .065 300 29.514 .058 310 29.511 .067 310 29.496 .066 320 29.565 .070 308 29.617 .102 300 29.651 .105 310 29.571 .124 3549
2	MEAN S. D. TOTAL OBS	29.638 .111 278 29.640 .110 253 29.572 .115 310 29.570 .081 300 29.518 .071 310 29.499 .066 300 29.507 .058 310 29.503 .067 310 29.485 .069 300 29.553 .070 308 29.606 .103 300 29.642 .105 310 29.560 .124 3549
3	MEAN S. D. TOTAL OBS	29.654 .112 278 29.661 .111 253 29.597 .114 310 29.599 .082 300 29.544 .071 310 29.527 .066 300 29.536 .059 310 29.533 .067 310 29.513 .069 300 29.578 .071 308 29.629 .104 300 29.661 .105 310 29.594 .102 3549
4	MEAN S. D. TOTAL OBS	29.643 .112 278 29.691 .108 253 29.621 .114 310 29.614 .081 300 29.554 .070 310 29.533 .069 300 29.540 .059 310 29.541 .068 310 29.527 .072 300 29.596 .072 308 29.654 .106 300 29.694 .105 310 29.603 .108 3549
5	MEAN S. D. TOTAL OBS	29.631 .108 278 29.644 .105 253 29.584 .113 310 29.584 .074 300 29.532 .069 310 29.513 .065 300 29.516 .057 310 29.511 .068 310 29.487 .072 300 29.546 .072 308 29.595 .104 300 29.611 .106 310 29.563 .100 3549
6	MEAN S. D. TOTAL OBS	29.618 .108 278 29.621 .104 253 29.561 .111 310 29.554 .077 299 29.508 .067 310 29.489 .058 300 29.487 .068 310 29.480 .071 300 29.459 .071 308 29.528 .104 300 29.582 .104 309 29.618 .104 3549
7	MEAN S. D. TOTAL OBS	29.640 .111 278 29.642 .109 253 29.576 .111 310 29.567 .077 300 29.519 .066 310 29.495 .065 300 29.491 .057 310 29.486 .067 310 29.475 .068 300 29.552 .071 308 29.605 .105 300 29.640 .106 309 29.554 .105 3549
8	MEAN S. D. TOTAL OBS	29.660 .112 278 29.659 .111 253 29.601 .112 310 29.593 .079 300 29.546 .067 310 29.522 .065 300 29.524 .058 310 29.516 .068 310 29.502 .068 300 29.572 .070 308 29.624 .105 300 29.655 .104 309 29.580 .103 3549
ALL HOURS	MEAN S. D. TOTAL OBS	29.648 .112 2231 29.652 .110 2024 29.548 .113 2477 29.584 .081 2399 29.532 .070 2440 29.511 .067 2400 29.514 .061 2441 29.510 .070 2490 29.493 .072 2400 29.561 .074 2444 29.614 .106 2400 29.649 .107 2477 29.570 .105 24714

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